

## Education renaissance

The provincial government announces ambitious plans for post-secondary education.

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## New medal target

Will Canadian athletes win more medals if we throw enough money at them? The Canadian Olympic Committee thinks so.

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## Live long and prosper

Dr. Aubrey de Grey brings his radical anti-aging theory to campus.

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## Finding solutions to child slavery

### Northern India program offers lessons

By Richard Cairney

Slavery – child slavery in particular – is far more prevalent than even experts studying the issue realize. But a University of Alberta professor has found programs that are changing that.

Lynette Shultz, a PhD candidate in the Department of Educational Policy Studies, toured two ashrams late last year that educate and rehabilitate rescued child slaves in northern India. The ashrams, organized by the non-profit South Asia Coalition on Child Servitude (SACCS), use non-traditional teaching methods to help children recover from the “incredible physical and psychological violence” they endured as slaves.

The problem of slavery is increasing at a horrific rate, she said during a Feb. 4 presentation held as part of the U of A International Week. Some studies have estimated that 27 million people worldwide are held as slaves. The majority of them are forced into the sex trade, followed by labour in domestic, agricultural, manufacturing and hospitality industries, according to research.

But the SACCS programs make a difference from the time children are rescued from slavery to the day they are returned to their own communities – and they prevent children from being stolen into slavery in the first place. SACCS performs child slave rescues in “dramatic” fashion, Shultz said, armed with search warrants, media and international observers.

When child slaves are rescued they are taken to one of the organization’s ashrams, and efforts are made to reunite them with their families. At the ashrams, children are taught not only basic literacy skills but also come to understand that they have power.

“These kids will never end up in that place again,” Shultz said. “They have learned about their own sense of power; they have learned about their own rights and how to claim them.”

The group is also focusing on prevention. “They are very political,” said Shultz, explaining that SACCS sends activists into towns and villages to work with communities to prevent slavery. The activists begin



Lynette Shultz visited two northern India ashrams that educate and rehabilitate rescued child slaves. Efforts aimed at helping children have also spawned the formation of women’s groups such as the one Shultz is seen here with (above). Two young girls recently rescued from child slavery perform a dance for Shultz, who is working towards a PhD in the Department of Educational Policy Studies.

their work by taking a census of sorts, determining where children in the village spend their time, and finding out why some are not in schools. But the key to prevention lies in giving children power. Local children’s assemblies are established and those assemblies often form part of a town or village’s government, she said.

“Every child learns how to participate in the political process,” she said. Interestingly, almost every one of those children’s groups has come up with a fundamental, common solution to increase attendance at schools: improving wash-room facilities. Other projects the children’s assemblies work towards are more predictable, such as new playgrounds and sports fields. But no matter what their goals, the children learn that they have a voice, are capable of making decisions, and have power. A national children’s parliament is held once a year, Shultz added.

And in the villages which take these proactive measures, children will not be

taken by slave traders. “What happens is someone comes into the village and tells people that if their kids come with them they’ll go to school in the morning and work in a hotel in the afternoon, and that it’s a good deal . . . but if anyone came into a child-friendly village and tried that, I think they’d be killed.”

Shultz, whose talk was entitled *Child Slavery and Education: What do the MDGs have to do with it?*, suggested some international aid efforts, including the United Nations’ Millennium Development Goals (MDGs), aren’t reaching people who need help the most.

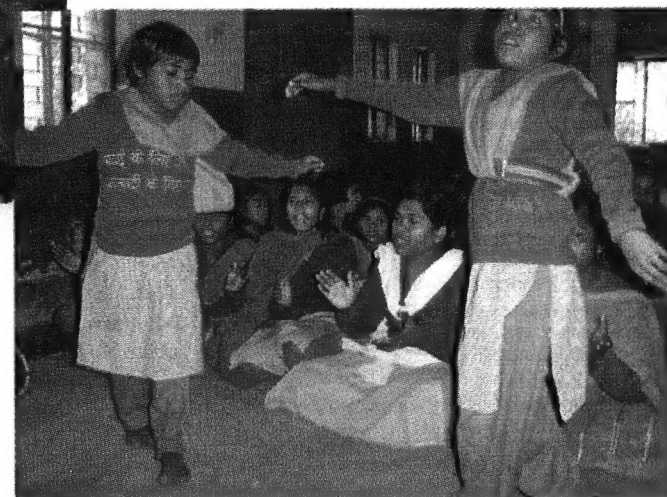
“In many cases such international projects serve to exclude the poor and distract us from supporting vital community-based services that would provide real change for those who are most marginalized,” she said during an interview following her presentation. “The MDGs, while highlighting very real and urgent

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they have learned about their own rights and how to claim them.”

– Lynette Shultz



problems, are still presented as ‘the North’s’ plan for ‘the South.’ When these programs are implemented they are done within an outcomes-based model – donors want specific outcomes in exchange for money. Therefore, organizations tend to work with ‘safe’ groups where the results are predictable.”

Shultz is researching policy context and education policy implications for educating children removed from slavery with funding from the U of A International’s Fund for Support of International Development Activities and the Mahatma Gandhi Canadian Foundation for World Peace. She’ll return to India this spring.

“I think SACCS is an important model of how transformational education can be organized and how education can be a tool to change the lives of marginalized children,” she said. ■



# University welcomes premier's gift to students, plans for university growth

*New tuition policy and capacity plans in the works*

By Scott Lingley

Post-secondary students and institutions across Alberta welcomed Premier Ralph Klein's Feb. 8 announcement that the government will foot the bill for tuition increases in the 2005-2006 school year, and that more student spaces will be made available in Alberta's colleges, universities and technical institutes.

During his province-wide televised address, Klein announced a "centennial-year gift" from government to students, in which the province will rebate proposed tuition increases to post-secondary institutions. He also said that 60,000 student spaces will be added at Alberta's post-secondary schools by 2020, 15,000 of those in

the next three years.

Administrators and student representatives at the University of Alberta welcomed the announcement and expressed hope that the government's pledge to fashion a new affordable tuition policy to be put in place in 2006 means improved access and better quality for Alberta's post-secondary students.

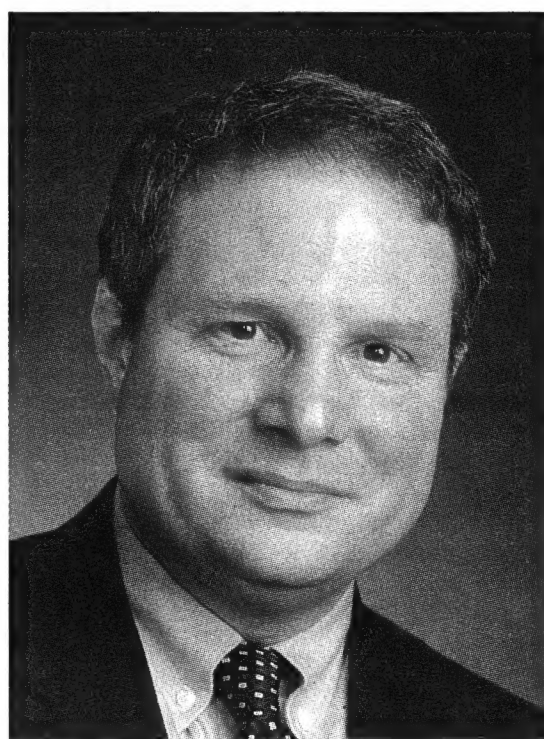
Alex Abboud, the U of A Students' Union Vice President (External) and Chair of the Council of Alberta University Students (CAUS), congratulated Klein on his generosity and his assurances that he wants to build the best possible post-secondary system in the country.

"We look forward to coming up with a sustainable tuition policy for 2006/07," Abboud said.

U of A Provost and Vice President (Academic) Dr. Carl Amrhein hailed the province's generosity in rebating tuition increases, and welcomed the challenges that will come with adding student places in Alberta's post-secondary system.

"The rebate is very generous, it's a wonderful centennial-year gesture, and I think it's one that students will remember for quite a long time," Amrhein said. "For me, the really, really big one is the 60,000 seats by the year 2020. It's about 4,000 seats a year for the next 15 years, so that's going to be a non-stop marathon for the institution as we come to grips with that level of expansion in the entire post-secondary system."

"There's going to be an enormous amount of work between the (Ministry of Advanced Education) and the post-secondary institutions, because it's a different model of expanding NAIT and SAIT apprenticeship than it is university bacca-



"We have great expectations as these announcements roll forward, and I guess we're going to be working hard to make sure the U of A message is still placed in front of government in a clear and consistent fashion, and that is: solve the persisting core operating budget gaps, deal with the capital deficiencies, and we will work hand-in-glove with the ministry to accommodate as many students as they think we should accommodate and as we think we are capable of accommodating."

— Dr. Carl Amrhein

laureates," he added. "What the university will be pushing for is a balanced expansion in our sector of graduate and undergraduate spaces, because we are seeing an increasing barrier to post-baccalaureate education, just like we're seeing the existing shortage of baccalaureate seats."

Klein also announced the province's intention to increase the minimum wage in Alberta this year, with details to be announced later. Amrhein cited the plan as a boon to students, many of whom support their educational endeavours with minimum-wage jobs.

Amrhein said he's looking forward to

working with government in attaining the goal of making Alberta Canada's leader in post-secondary education.

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## Fraser named to Order of Canada

*Honour recognizes president's contributions to education*

By Richard Cairney

University of Alberta President Dr. Rod Fraser has been named an Officer of the Order of Canada for his contributions to education. The announcement was made by the Office of the Governor General late last week.

"I am deeply honoured to have been recommended, and now appointed, an Officer of the Order of Canada," said Fraser. "The momentum over the past 10 years at the University of Alberta has been outstanding, and I am very proud of the accomplishments we have made, and that we will continue to make, in support of the education of our leaders of tomorrow."

The appointment is well-deserved, according to Fraser's colleagues and peers. Arthur Kroeger, a U of A distinguished alumni and honorary degree recipient, nominated Fraser for the award.

"But the person who got Rod Fraser an Order of Canada was Rod Fraser," Kroeger said. "With the Order of Canada, the advisory committee does a very careful assessment of a person's record and accomplishments, so it is not a matter who nominates or supports it, it's your record. It seemed to me that Rod Fraser had a very strong record."

Although they once lived in small Alberta towns that virtually neighboured one another, Kroeger and Fraser didn't meet until Fraser's appointment as president of the U of A was announced while he was a vice-principal at Queen's University. Kroeger, at the time, was teaching at Queen's and asked to be introduced to Fraser. He was impressed immediately.

"His father was the principal of the high school in Provost, and he lived in Provost when he was 12 or 14 years old," said Kroeger. "I grew up around Consort

just south of the neutral hills, which separated the towns... and he was at the U of A a little after I was - I graduated in 1955. So when we met, it was two simple Alberta boys. We had no trouble starting to chat."

Kroeger referred to Fraser as "a high-energy president" and said he has been impressed with the enormous achievements the university has made in research, teaching and international reputation during Fraser's term as president.

University Chancellor and former chair of the Board of Governors Eric Newell is equally impressed by Fraser's accomplishments. Newell said those achievements are harder to see when you're working as part of the university. "Sometimes you can't see the forest for the trees," he said. "But when you step back and take a look, the universi-

ty really has come a long way under Rod's leadership."

He added that the honour is something Fraser's wife Judith should also share in, due to the fact that Fraser's position as university president leaves precious little personal time and requires that the couple entertain often in their home. "His schedule is sometimes grueling," Newell said.

Also an Officer of the Order of Canada, Newell added that being informed of the award and actually being invested during a formal ceremony in Ottawa are two very different matters. "When you go there for the ceremony, it's a real honour," he said.

Fraser will be invested during a special ceremony later this year, along with the likes of fellow officers Paul Anka, Jane Urquhart and Paul Desmarais. ■

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# Gold for Gold

Canadian Olympic Committee scheme proposes spending \$110 million to earn 35 medals

By Phoebe Dey

Sports organizations in Canada are not only hoping to host a successful Olympics in 2010 but are also paying good money to meet a lofty goal at those games – to dominate the world. The recently launched Own the Podium program is a bold plan that would see Canadian athletes win 35 medals at the Vancouver Olympic Winter Games and finish first in the medal count.

The program, unveiled by the Canadian Olympic Committee (COC), is an unprecedented collaboration among the 13 winter sporting federations, which have created a \$110-million blueprint that includes everything from developing new equipment to reduce friction that slows athletes in downhill sports, to a detailed budget. The Vancouver Organizing Committee has committed to coming up with half the needed funds, and the COC is counting on the federal government to make up the rest.

But how realistic is this goal, which would require athletes to double their medal count from the Salt Lake City games?

While there is no question that money always helps, there is not one shred of empirical evidence that suggests government funding has anything to do with athletic performance, says Ian Reade, the Faculty of Physical Education and Recreation's Coaching Concentration Coordinator, whose PhD thesis focuses on this

question.

"I don't see any possible negative aspects to putting more money into sport, but there is no evidence to suggest that it will translate to more medals," said Reade. "Of course money is going to help, but does it lead directly to medals? I think there are more important factors at play."

Reade's research includes comparing government funding among sports from 2000-2001, four years before the Athens Olympics. The team that received the largest pool of money – \$1.8 million – was swimming. The Canadian team faced harsh criticism for its failure to win even a single bronze medal last summer.

"Medals are the only real way to measure a sports system in an objective way. It might not be the right way, but it's the only way. You can't say 'we're nice people' or 'we're good sports' if we're measuring performance."

Focusing on talent identification is one area where Canada seems to be lacking, said Reade, who notes that several other countries use physical tests early in school to streamline kids into specific sports based on their ability. But increasing participation in sports alone will not result in more medals, he argues. "If you have 10,000 bad athletes playing a sport, that is not as good as one good athlete...that is what I mean when I talk about focus."

Dr. Nick Holt, a sports psychologist in the Faculty of Physical Education and Recreation agrees that early and middle adolescence are the crucial stages for athlete development in most sports. During that time, some talented kids will continue on while others will fall by the wayside.

"Several of the potential medallists for 2010 are adolescents now... and

adolescence is one time when people really need the support, facilities, and coaching in order to produce more elite adult athletes. Just getting more kids involved at the bottom does not necessarily produce more champions at the top – providing better pathways for talented kids to excel is probably a better way."

Not every child will become a world-class athlete, but the country will benefit if kids have something to work towards, said Kevin Tyler, head of the U of A's Canadian Athletic Coaching Centre, and a former Olympian in bobsledding.

"Kids get involved in sports for a reason – there has to be a goal to work towards," said Tyler, also a former track athlete. "Why are millions of kids playing hockey? Even if we have millions of kids who are delusional about making the NHL, those are millions of kids who are still getting fit. And every \$1 spent into fitness results in \$4 in health-care savings. We have a population in trouble so at the very least we have healthier people."

Tyler says the COC's goal is "very doable," in part because of the strength of the Vancouver organizational team and because the timing is right. "You can feel it, people have said 'athletes are underfunded and we want to show well in our own country.' I just hope any initiative that is started gives us more than just a good showing in Vancouver. It should go beyond those games."

Tyler hopes a large portion of the funding will go towards cementing more qualified coaches across Canada,

"Just getting more kids involved at the bottom does not necessarily produce more champions at the top – providing better pathways for talented kids to excel is probably a better way."

– Dr. Nick Holt

and not just for winter sports. In track and field, for instance, there might be two coaches in the whole country dedicated to working with elite athletes, where there should be at least one full-time, paid coach in every major city, he said. Tyler would also like to see a solid sports plan that is going to help with all sports, instead of targeting sports that traditionally do well.

But this new initiative has its own set of rankings.

For the Vancouver Games, the detailed Own the Podium report has prioritized funding for the different sports based on four characteristics: Canadian sport culture (are Canadians proud of and participating in the sport), Olympic success in the past three Games, medal potential for 2010 and sustainability after the Vancouver games. Flat sports such as ice hockey, figure skating and curling ranked in Tier 1, or the "must win" events; Tier 2 consists of "high priority" snow sports like alpine and free-style skiing or snowboarding; the third tier – made up of such sports as bobsleigh, luge and biathlon – is described as "targeted athletes" a group of sports the task force sees as "long shots" for international success "because of a small number of identified athletes."

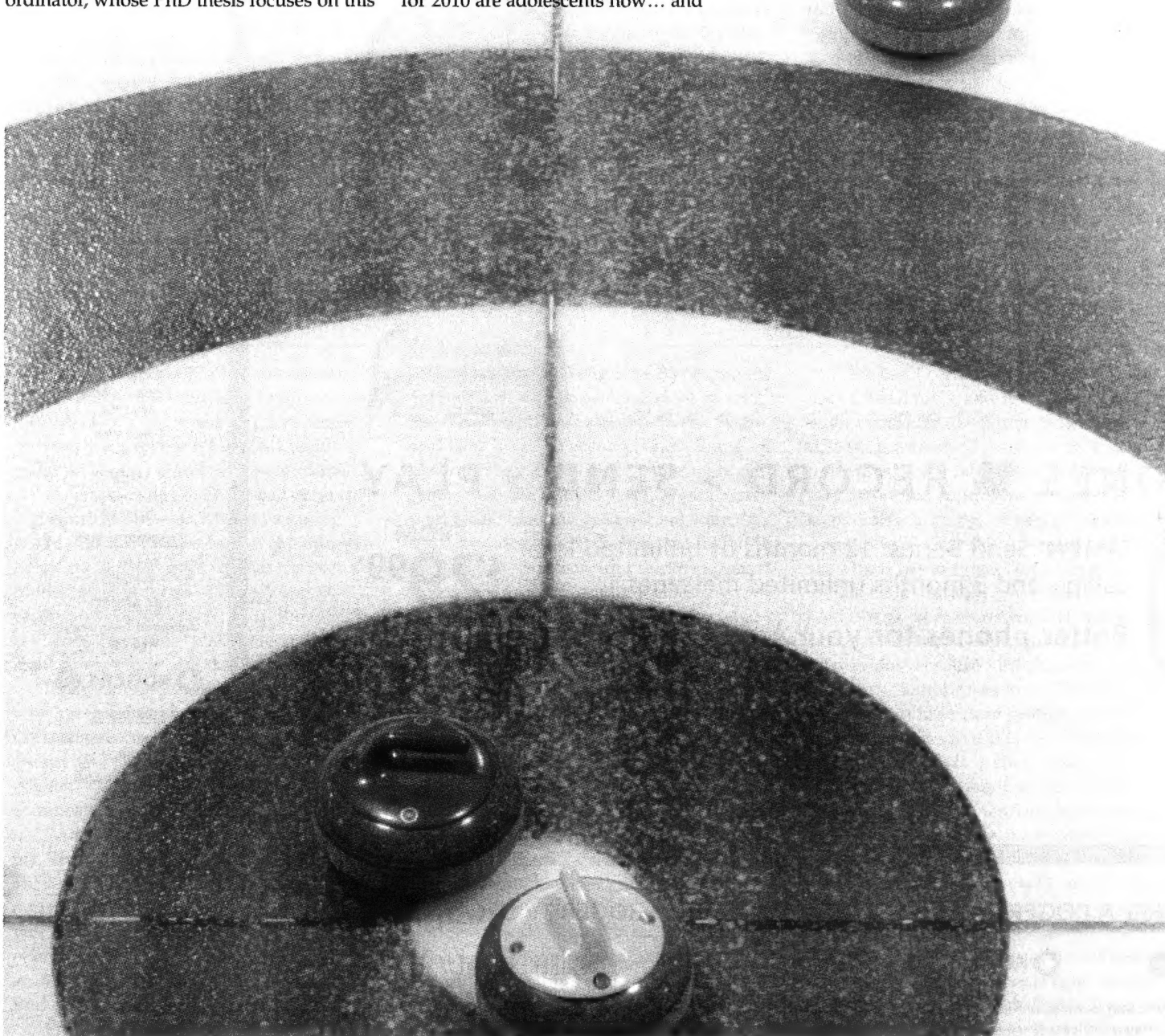
Using those tiers as a basis for funding, the task force argues that "Canada must increase funding...by \$10.1 million per year in order to reach the goal of 35 medals in the Olympic Winter Games in 2010. If no funding increase occurs, Canada can expect to win 16 medals in 2010."

Dr. Dan Mason has a problem with that assumption. He, like Reade, does not equate an influx of money to more medals. "We see other countries that are more successful but I think it's more important to mimic their delivery system rather than expecting X number of dollars equals X number of medals," said Mason, a sports management professor in the Faculty of Physical Education and Recreation. "We're also setting ourselves up...if we get 34 medals instead of 35, are those Olympics considered a failure?"

It is also difficult to compare Canada to any other country because of our unique geographical situation, said Mason. Our athletes are at an instant disadvantage because of the weather and the expense to travel across the country to train and compete, he said.

Reade agrees, and says that as long as we continue to spread ourselves thin across so many different sports, we will not accomplish as much as we hope to. "Realistically, I don't think we can be as successful as we think we can," he said. "We're a multi-cultural country; we want waterpolo, swimming, tennis and dozens of other sports. Other countries focus and we don't...except in hockey and when we do that, we do well."

But believing we can do it is the first step to success, said Tyler. "A lot of it is attitudinal," he said. "It's a good goal, so let's challenge ourselves and see what we can do." ■







# Visiting speaker claims elixir of life only a generation away

*But the nuts and bolts of the matter, as well as its ethics, are under debate*

By Geoff McMaster

Dr. Aubrey de Grey has a plan to reverse human aging within the next 25 years. And while that may sound like a pipe dream, it's beginning to attract some serious attention.

MIT *Technology Review* has just published a lengthy spread on de Grey in its February issue. The writers of the feature article and accompanying editorial are less than flattering (*He's brilliant, but is he nuts?*), but they do concede the Cambridge computer technician, self-taught in matters biological, is a force to be reckoned with.

"Not only has his work put him at the forefront of a field that might best be called theoretical biogerontology, but he swims close enough to the mainstream that some of its foremost researchers have agreed to add their names to his papers and letters as co-authors, although they may not agree with the full range of his thinking," writes Sherwin Nuland of Yale University's School of Medicine.

Trained as a computer scientist, de Grey has laid out that thinking in scores of publications over the past few years, some in the most respected of scientific journals, including *Science*, *Annals of the New York Academy of Sciences*, *Trends in Biotechnology* and *Biogerontology*. Everything he knows about the field he learned on his own, while providing computer support to a genetics research lab at Cambridge.

"Seeing that I'm not an experimental scientist, I don't have to spend all my time at the bench or writing grant applications to keep my students at the bench, so I have got the time to get more deeply into a wider range of literature than most of my colleagues have, and provide this glue, this interdisciplinary communication, by running conferences and so on," he said.

Invited to the U of A by undergraduate science student Kevin Perrot, de Grey outlined his anti-aging theories – called "Strategies for Engineered Negligible Senescence (SENS)" – on campus this week.

SENS can be boiled down to "fixing" seven key categories of biological deterioration that cover such problems as the degeneration of cells, accumulation of unwanted cells, accumulation of "junk" inside and outside cells, mutations in mitochondria and chromosomes and cross-links in proteins outside cells.

Surmounting all of these hurdles could one day make dying of old age a thing of the past. Initially therapies would be

available to extend our lives by decades. But eventually they would be perfected to allow is to live hundreds, even thousands of years. According to his theory of "actuarial escape velocity," those of us now young enough to catch the first wave of therapy may just hang on long enough to benefit from the second wave, then the third and so on.

"The upshot of the timeframe is that we can develop all of these things, not to perfection, but to sufficiently good quality in mice, and we ought to be able to do that within the next 10 years," de Grey said in a phone interview the morning after arriving in Calgary from England. (He's given up jet lag, he said, considering it "a waste of time.")

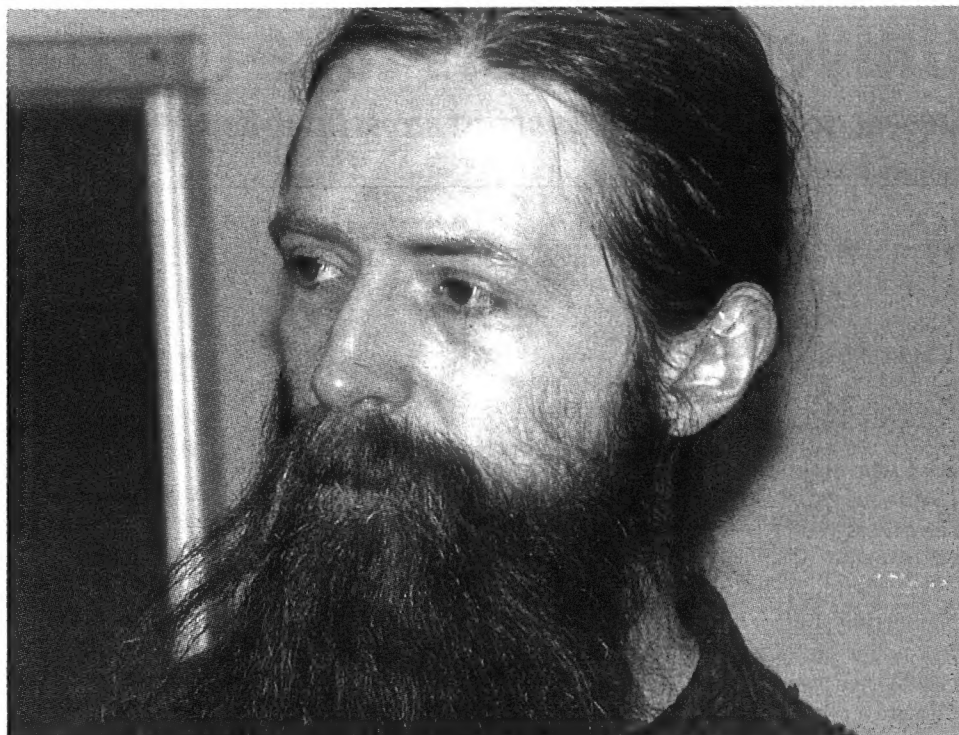
In his view, there is no reason why scientists shouldn't be able to triple the remaining one-year life expectancy of a two-year old mouse – which normally lives to three – extending its life to five years. It will take \$100 million per year to "confidently" achieve this first milestone, claims de Grey.

Such an advance, he said, "will completely transform everything. It will be sufficiently persuasive that...human aging is malleable and that the benefit to humanity is within sight, it will just be pandemonium at once." Success in a mouse, he said, would likely attract sufficient funding to extend human life within the next 10 - 15 years.

That success has already begun. One Stephen Spindler, a biochemist from the University of California, Riverside, managed to increase the lifespan of a middle-aged mouse by 15 per cent through caloric restriction. His research, first published in the *Proceedings of the National Academy of Science*, demonstrated that the mice in his study actually became younger, a fact verified by genetic microarray analysis. Spindler received the MPrize for his work from the Methuselah Foundation, set up by de Grey to encourage research on anti-aging.

de Grey does admit his timeframe for humans may be "somewhat overoptimistic." But he argues that only by treating it as a realistic goal do we stand any chance of making it happen. The main obstacle to progress, he said, is that many biologists work on the problems of aging in isolated experimental silos, too rarely pulling back from their work to take the long view.

"You don't have departments of theoretical biology, but you ought to," said de Grey. "When I actually identify a way in



Dr. Aubrey de Grey says it is possible for humans to live for thousands of years.

which different strands of biology could be put together for a productive purpose, I find it quite easy to get people interested in listening to each other once they've heard about the possibility."

U of A biochemist Dr. Bernard Lemire takes a cautious approach to de Grey's timeframe, but is impressed with his grasp of science. "I don't agree with everything, but I think his basic ideas are fascinating. He is a well-known, respected scientist, follows the literature extremely well, goes to meet the experts, and his biology is sound."

One objection raised by Nuland in the *Technology Review* is what he sees as de Grey's treatment of biology "in vitro rather than in vivo," in other words, the assumption one can simply fix problems of breakdown in the human system without due regard for the crucial interdependence in any biological system. "In biology...everything is affected by everything else," writes Nuland.

But as Perrot argues, and this is perhaps the crux of the matter, de Grey does not advocate adjusting our enormously complicated process of metabolism or interfering with our genetic make-up. "What he's really trying to get at is that if you can remove the damage before it gets to a level of pathology, without messing with the fundamental causes of the damage, then you're really not screwing around

with the basic systems; you're just clearing out the debris."

By debris he means the "junk" that gradually accumulates within and between cells. "You don't want to tweak the controls, because we don't know enough about that, but taking out the garbage, yes," said Perrot.

The question de Grey faces perhaps more than any other, however, has less to do with cell biology than ethics or social science: Is it desirable to extend human life, given that our world is already overpopulated? For de Grey, it's not up to him, or even any of us, to make that call. It is, however, a fundamental right of future societies to decide whether to adopt anti-aging therapies once discovered and whether the accompanying sacrifices are worth it.

"There are good reasons to suppose that we may genuinely have to make hard choices as a society," he said. "I like to be quite stark about this...There's a good chance that we will end up having to make a choice between having fewer children than we really want or living less time than we really want."

"This is a choice that society of the future is entitled to make for itself as opposed to us trying to second guess...by not developing these things and thereby forcing on society the requirement to choose death rather than childlessness." ■

## Kyoto era begins, results may vary

*Approach to climate change still under debate*

By Geoff McMaster

The much-debated Kyoto Protocol on greenhouse gas emissions finally came into effect Feb. 16, prompting University of Alberta experts to reflect on Canada's progress toward slowing climate change.

As far as ecologist Dr. David Schindler is concerned, Canada receives a failing grade thus far. "If you look at the international statistics, we are right at the bottom of the barrel in terms of energy use per capita and energy efficiency in the OECD countries," he said, "which means we're right down there with the Third World."

Even compared the United States, which refused to sign the Kyoto accord, Canada gets "a third less bang for our energy use, and the U.S. is no great hell for efficiency either. It's way, way lower than European countries."

"And I'm getting a little sick of seeing Rick Mercer's face on the one-tonne challenge with no specifics," Schindler added, referring to a televised public service announcement promoting responsible energy use. "There's a lot of people who won't take the trouble to go to the web to find out what they might do."

Prime Minister Paul Martin has yet to

release a plan outlining how Kyoto targets – to cut greenhouse gas emissions to six per cent below 1990 levels between 2008 and 2012 – will be accomplished. Some observers say it will likely come soon, perhaps when the federal budget is released next week. Quoting government sources, the *Toronto Star* reported this week that the government may consider declaring carbon dioxide "toxic" under an existing law, which would provide the necessary legal muscle to enforce emissions reductions. The move is sure to be controversial, given that human beings produce carbon dioxide with every exhalation of breath.

But Schindler doesn't place much hope in an aggressive plan issuing any time soon from the federal government. "I'm a little bit worried that we'll think, 'Oh we've met Kyoto, now we're there.' We don't need a plan for reducing greenhouse gases, we need a whole new energy system."

Schindler argues that the media's understandable emphasis on greenhouse gases has partly obscured an equally serious problem – the world's reliance on fossil fuel. In his view it couldn't be clearer that we are quickly running out.

"We can't continue to escalate in our use of fossil fuels, and we're getting a lot of what I consider to be greenwash from the Alberta government on that – they keep putting up some fairly phony statistics," said Schindler, about how much oil is recoverable from the oil sands. "And to use something as clean-burning and valuable as natural gas to extract bitumen is stupid."

Dr. Colin Soskolne, who received a \$183,000 grant to study climate change and extreme weather events, cautiously regards Wednesday as cause for celebration, seeing Canada's commitment to an international accord as an important gesture. But he is quick to stress that it is "a first step only."

Even if Canada is successful in reaching the 2008-2012 target, another phase of the agreement will then kick in involving further cuts. If the signatories don't keep up, says Soskolne, "the bizarre weather patterns that we've seen will only continue to increase both in frequency, severity and in unpredictability."

"There is such profound vested interests that lobby governments from all directions. I certainly hope wisdom will prevail and these interests will look to the larger

picture of their children and grandchildren. That's what is at stake in climate change. I think it is that serious a problem."

Business professor Dr. Joseph Doucet has been skeptical of the Kyoto Protocol from its inception, believing Canada should be focused more on long-term solutions to energy problems rather than short-term emissions targets. Real gains from new energy technology may take years to yield results, he argues, but may prove far more productive in the long run.

"We shouldn't be looking just for something that will work in getting us reduction in the next five years, because that may be an inefficient way of getting long-term improvement," said Doucet. "Long-term improvement, manifesting itself perhaps in 2050 or 2100, will require a lot of research and development now, and will hopefully pay off in the longer term with emission reductions and improvements in quality of life throughout the planet."

"We have to think about how to align incentives so that industry and consumers and government can focus on the same types of things – reducing energy consumption, improving energy efficiency." ■



## University skiers take top three in Birkie

*Student, support staff, and prof first across finish line*

By Richard Cairney

When people joke that summer in Edmonton is two months of lousy skiing, there's a good chance they're the type who take part in the Canadian Birkebeiner cross-country ski race.

And there's a chance they're also faculty, students or staff at the University of Alberta. Talk to one person on campus today who skied the Birkie Feb. 12 and they'll refer you to a half-dozen more. But a few names come up consistently: final results hadn't been tabulated at Folio's press time, but it was clear that first-year engineering student Gerry Heacock took first, while Paul Zimmerman, a technician in the Department of Physics, and Alan Wilman, a professor in the Department of Biomedical Engineering, earned second and third place in the 55-km 'pack' category – in which skiers race 55 km hauling backpacks filled with 5.5 kg of weight. And each completed the race in just over three hours.

"That's the first time I've done this race," said Heacock. "It's my first race this year – I haven't been doing much skiing this year."

"I think Paul was second and I was third," said Wilman, adding that the finishing places were reversed last year. "Paul is pretty amazing. He's a star."

Zimmerman's also modest, though his achievements would justify a little bragging. He has skied in the Birkie for each of the 19 years it has been held – since before Heacock was born – and has won his category "two or three times, in the early 1990s, I think."

That's no small feat. Just ask Reinhold and Marion Mayerhofer. The couple, who both work in the Department of Biological Sciences as a research associate and research technologist respectively, have skied the Birkie eight times now. This year they both completed the 55-km run – Reinhold with the pack, Marion without. And both hit personal best times. Reinhold finished in about 3:31 and Marion overshot the four-hour mark by about two minutes.

"After every 55-km Birkie we feel like we've been mauled by a grizzly and walk around like zombies on the Sunday after-



First-year engineering student Gerry Heacock took first place in this year's Canadian Birkebeiner; Physics technical Paul Zimmerman, who coached Heacock years ago, came in second. Department of Biological Sciences research associate Reinhold Mayerhofer and his wife Marion, a research technologist in the department, finished with personal best performances.

wards. But it's good pain," said Reinhold. "It makes us feel that we gave it our best shot and accomplished something."

Although each of the racers will feel a good deal of pain during the race and for a few days afterward, they insist it's worthwhile.

"It's not really agony, but you try to push yourself to a certain limit you know you can endure for three-and-a-half hours," Zimmerman said of the 55-km race, held just east of Edmonton. "It is a lot harder if you go in a very short race where you're pushing all the time and every move counts," he said. The tough part about longer races, he says, is finding yourself alone.

"Sometimes when you're skiing with another person you trade places on and off or if there is someone way out ahead of you, you try to slowly reel them in. There's always a game going on. But when you are alone it becomes a mental game you play by yourself," he said.



Zimmerman said taking part in a race like this "makes me feel much more aware of myself and what I can do."

For his part, Wilman finds unique rewards in training and racing.

"It is the joy of movement, I suppose. You are out there doing something you enjoy with other people," he said. "It isn't really three hours of suffering, it was more like 20 minutes of suffering at the end."

There is a strong social aspect of the annual event, too.

"The Birkie has become a tradition and a highlight of the year for us, like going to the Edmonton Folk Music Festival," said Reinhold. "It's about meeting your old friends and other people who share the same interests, and challenging yourself every year to see if you can still do it and hopefully be even better than the last time, and maybe pass one of your competitors who kicked your butt the year before."

Each of the U of A racers belongs to a club. Zimmerman is a member and coach



with the Edmonton Nordic Ski Club and Heacock is a member. In fact, Zimmerman coached Heacock years ago. Wilman and the Mayerhofers belong to the Edmonton-based Great Canadian Sports Club.

"We did the Birkie many times before we joined a club but it's definitely a lot more fun when you are part of a team," said Reinhold. "There is so much you can learn from a professional coach and the experienced racers in the club. It's also much easier to stay motivated when you're training together with your friends."

The Canadian Birkebeiner Ski Festival is one of three Birkebeiner events held worldwide. The others are held in Wisconsin and Norway. The event originated in Norway and is based on the legend of two warriors who rescued their nation's prince as a civil war raged, skiing across two mountain ranges with the child, to the town of Lillehammer. The 5.5 kg weight some skiers carry in the 55-km version of the race represents the infant prince. ■

## Edmonton Protocol takes giant leap forward

*Shapiro breaks new ground in Japanese live-donor transplant*

By Richard Cairney

A pioneer of the ground-breaking Edmonton Protocol treatment for type 1 diabetes has taken the procedure to a new level, which should reduce waiting times for the treatment.

On January 19, at Kyoto University Hospital, Dr. Koichi Tanaka and University of Alberta/Capital Health surgeon Dr. James Shapiro, along with a team of Japanese surgeons, performed an islet cell transplant using a living donor.

The team removed part of the body and tail of a 56-year-old woman's pancreas. Dr. Shinichi Masumoto then isolated living islets at the Kyoto Centre for Cell and Molecular Therapy. Under Dr. Shapiro's supervision, the team then transplanted the insulin-producing cells into the woman's 27-year-old diabetic daughter.

It is the first time the procedure has been performed with a living donor, and the results so far are impressive. According to Shapiro, the transplanted islets began

producing insulin within minutes.

"The reason I'm so excited about this is because normally the Edmonton Protocol is done with islets from brain-dead organ donors," he said. "Those islets are often severely injured from cold storage, transport time and the pancreas is severely damaged by toxins which circulate in the bloodstream after brain death."

"Our expectation is that these islets from near-perfect organs will work better, although it's too early to tell," he added. The recipients use the same drugs used to prevent organ rejection as are used in the Edmonton Protocol.

And Shapiro predicts that procedure will be performed here soon.

"It will be done in Canada, perhaps within the coming months," he said, adding that much work remains to be done before the procedure can be done here. The University of Alberta Hospital's board of ethics would need to review the proposal,

and every measure taken to ensure the safety of the donor and recipient, he said, adding that donors need to be at no risk of developing diabetes themselves.

Because of a shortage of cadaveric organ donors, patients end up waiting years for the procedure, Shapiro said. The introduction of live donors would shorten those waiting times, he added.

"I am extremely excited about the prospect – this is the next step forward for the Edmonton Protocol and it is a major one."

The Edmonton team made medical history in May 2000 when it announced the first successful islet cell transplantations on patients with type 1 diabetes. The procedure in virtually every case frees patients from the need for daily injections of insulin.

Shapiro was invited to participate in the operation in Kyoto, Japan, where he originally performed living donor liver transplant training with Tanaka. Masumoto was previously based in Seattle and had

been involved in Shapiro's international trial of the Edmonton Protocol before returning to Japan.

Shapiro first suggested the idea of starting a living donor islet transplant program in Kyoto while lecturing there three years ago. Cadaveric organ donors are scarce in Japan, and living donation has very established roots in liver and kidney transplantation there.

"Living donor islet transplants could allow many more desperate patients with type 1 diabetes to get successful islet transplants," said Shapiro. "The donor operation is relatively safe, but is not entirely devoid of serious potential risk."

The mother of the diabetic daughter was in perfect health, while her daughter has been on the cadaver donors transplant list since September 2004. Before the surgery, the woman had been subject to severe low blood sugar coma attacks, and her glucose control has been transformed by the transplant. ■



# talks & events

Submit talks and events to Cora Doucette by 3 p.m. Thursday one week prior to publication. **Folio Talks and Events listings will no longer accept submissions via fax, mail, e-mail or phone. Please enter events you'd like to appear in Folio and on ExpressNews at: <http://www.uofaweb.ualberta.ca/events/submit.cfm>.**

## UNTIL SEP 01 2005

**Marginal Notes: an exhibition of bookworks concerning social issues** Mon, May 3, 2004 - Thu, September 1, 2005 Bruce Peel Special Collections Library, Rutherford South

## UNTIL FEB 19 2005

**Fast Forward 2005: Current Work by Graduate Students in the Department of Art and Design** Fast Forward 2005 presents current research by our graduate candidates in the MFA, MDes and MA programs to gallery visitors who want to keep abreast of the creative activities of promising young artists, designers, and historians of art, design, and visual culture enrolled in the diverse graduate programs offered by the Department of Art and Design. Regular Gallery hours are Tuesday to Friday, 10 a.m. to 5 p.m. and Saturday, 2 p.m. – 5 p.m. Fine Arts Building Gallery, room 1-1 Fine Arts Building, University of Alberta campus, 112 street and 89 avenue, Edmonton.

## UNTIL FEB 19 2005

**Electra by Sophocles** A horrific crime. Bloody revenge. Tragic irony. Sophocles' Electra, written around 409 BC, still proves captivating today. Like an episode of The Sopranos, retribution for crimes committed within the family drives the powerful action in this play. 8 p.m. Timms Centre for the Arts.

## FEB 18 – MAR 09 2005

**TRIAD: An Exhibition of Prints with artists Pat Jobb, Monika Koch, Rita Lock** TRIAD is an exhibition of the works of three women who have been pursuing the art of printmaking for a number of years – Pat Jobb, Monika Koch, and Rita Lock. The three initially came together under the tutelage of Ron Wigglesworth and, more recently under the guidance of Noni Boyle. Now, although each works independently in her exploration of different aspects of fine art printmaking, they meet weekly at the Faculty of Extension's "Print Farm" where they share ideas and work together in triadic harmony. Extension Centre Gallery, 2nd Fl, University Extension Centre, 8303-112 Street.

## FEB 18 2005

**Brown Bag Lunch** The Prairie Centre and Changing Together...A Centre for Immigrant Women introduce Dr. Noorfarah Merali presenting "Misunderstandings of Sponsorship Rights in International Arranged Marriages: Directions for Research and Policy" at a Brown Bag Lunch on February 18, 2005. 12:00 p.m. – 1:00 p.m. 3rd Floor, 10010 105 Street.

**Department of Biological Sciences** Dr. Brad Stelfox, Forem Technologies, Bragg Creek, Alberta is presenting a seminar on "The ecology of Alberta's landuses: Looking backward with data, Looking forward with apprehension." 12 noon in Room M-149 of the Biological Sciences Building.

**University of Alberta Museums Walking Tour** Perhaps you are sitting at your desk and thawing a little. And while you are thawing, perhaps you are thinking: how do Alberta's animals keep warm? And, for that matter, how did Albertan folk keep warm during the last 100 years? Brace the cold during the next University of Alberta Museums' Walking Tour, "On Folk and Fauna in February: Adapting to Albertan Winters", as we feature collections in human ecology and zoology. On Friday, February 18, from 12 noon - 1 p.m., the Department of Museums and Collections Services will lead a guided tour as exercise for mind and body. We will meet at the Clothing and Textiles Collection in the Human Ecology Building at 12:05 p.m. sharp to view winter paraphernalia worn by Albertan folk over the years. From there we will make our way to the University of Alberta Museum of Zoology in the Biological Sciences Building for insight into how some of Alberta's fauna have adapted to survive the cold. This is an informal opportunity for faculty and staff to learn about the tremendous collections here on campus and to enjoy a brisk walk in the process. The walking tour will take place come rain, snow or shine so dress appropriately. To register: call the Department of Museums and Collections Services at 492-5834. Meet in the Lobby of the Human Ecology Building.

**Department of Biological Sciences** Reggie Lo, Department of Microbiology, University of Guelph, "Studies on Mannheimia haemolytica - from quorum sensing to development of an edible vaccine against bovine pneumonic pasteurellosis." at 3:30 p.m. in Room M-149 of the Biological Sciences Building.

**Faculty and Friends** Marcus Thompson, viola Patricia Tao, piano Martin Riseley, violin Tanya Prochazka, cello Johann Sebastian Bach Sonata No 1 for Viola da gamba and Clavier in G Major, BWV 1027 Ernest Bloch Suite for Viola and Piano Gabriel

Fauré Quartet No 1 in C Minor, Op 15. 8 p.m. Arts Building/Convocation Hall.

## FEB 20 2005

**Assembly: a play celebrating the 21st Annual Freedom to Read Week in Edmonton** Robert Corness in "Assembly," a short play by Mieko Ouchi that explores the medium of film editing and censorship as a metaphor for deeper issues in one man's life, with a Q & A period hosted by Dr. Alvin M. Schrader, SLIS, to follow. 2:30 p.m. – 4 p.m. Whitemud Crossing Library Branch, 42 Ave. & 106 St.

## FEB 21 2005

**Hear's to your Health** Ann Marie Hoover, soprano Nora Bumanis, harp Patricia Tao, piano The Spanish Voice Falla Siete canciones populares espanolas Turina Semana Santa from Canto a Sevilla and other works. 5:00 p.m. Arts Building/Convocation Hall.

## FEB 23 – FEB 26 2005

**Vigil of Angels** Inspired by the award winning film "Wings of Desire" by Wim Wenders, the story of the Vigil of Angels follows a flock of angels who study the life of a brilliant cellist and uncover what makes this magnificent and penetrating artist so human. This ballet will tell a love story pure, passionate, and tragic. Main Stage at the Timms Centre for the Arts.

## FEB 23 2005

**International Institute for Qualitative Methodology - Lunch Time Seminar** Using social theory to guide health research: Critical realism Presenter: Dr. Alex Clark, Assistant Professor, Faculty of Nursing and AHFMR Health Investigator. 12 noon – 1 p.m. 6-10 University Extension Centre.

**PHS Grand Rounds** PHS Grand Rounds - Cancelled Reading Week.

## FEB 24 2005

**Break-up and Coalescence in Liquid/Liquid Flows** Ellen K. Longmire Aerospace Engineering & Mechanics University of Minnesota Break-up and coalescence transitions in mixtures of oil- and water-based fluids are investigated experimentally with the goal of understanding the underlying dynamics and of eventually developing accurate numerical models for practical applications such as transport, mixing, and separation of petroleum, chemical, and waste streams. Several geometries are examined: natural and periodically forced jets flowing into and breaking up in an ambient, drops impacting and eventually coalescing at a quiescent interface, and coalescing drop pairs. Refractive index matching and laser induced fluorescence are employed to obtain clear images of the interfaces and interior volumes within each flow. Real-time flow sequences of planar fields are acquired using a high-frequency laser and camera system, and the resulting images are analyzed to determine interfacial behavior as well as two- and three-component velocity fields. In the jet flow, the effects of fluid viscosity ratio, Reynolds number, Strouhal number, and Ohnesorge number on the flow dynamics will be discussed. In the coalescing flows, the effects of viscosity ratio, impact Weber number and offset distance will be discussed. Finally, some of the experimental results will be compared with the results of numerical simulations incorporating transition models and adaptive grids. 2:30 p.m. 2-002 Engineering Teaching and Learning Complex (ETLC).

## FEB 25 2005

**Learning Fair** Enhancing Education with technology Presentations by SSDS department on Alternate Format, and Integrating Technology Strategies in Education. Computer labs include Learning Disability, Special Education, and Mainstream Software. Numerous manufacturers in attendance. 9 a.m. – 5 p.m. Telus Convention Centre.

## FEB 26 2005

**Nanotechnology: The Ruse and Reality** Nanotechnology: The Ruse and Reality. Speakers: Bob Wolkow, Principal Researcher, National Institute for Nanotechnology and Lori Sheremeta, Research Associate, Health Law Institute. Our Philosophers' Cafes offer you the opportunity to hear one of our U of A scholars speak on a topic; participants are then encouraged to converse freely and openly about issues arising, as presenters become the catalyst and resource for ensuing discussions. Our cafes are always informative and lively, and often deeply entertaining. Stanley A. Milner Library Main Floor, SW corner 2 p.m. - 3:30 p.m.

**U of A Ringette Game** Come watch the fast-paced and exciting action as the U of A Ringette team takes on another tough opponent. Enjoy all the thrills of this new U of A team. 8:15 p.m. – 9:45

p.m. West Edmonton Mall.

## FEB 27 2005

**Marek Jablonski Endowment** Visiting Artist Stéphane Lemelin, piano. 4 p.m. Arts Building/Convocation Hall.

## FEB 28 2005

**Noon Hour Organ Recital** All Canadian: Organ works from the 2004 publication "Te Deum Laudamus" a memorial Tribute to Gerald Bales featuring students, faculty and guests of the University of Alberta Department of Music. 12 noon, Arts Building/Convocation Hall.

**School of Library and Information Studies** Lectures: From Print Obsessed to Digitally Dominated: The Evolution of e-Collections in Academic Libraries. Melody Burton, visiting librarian in residence and Queen's University librarian, and Kit Wilson, U of A Libraries, explore the evolution of digital collections over the past 10 years and how libraries are addressing various issues including the archiving aspect. 12 noon – 12:45 p.m. Room 3-01 Rutherford South.

**University Teaching Services** Empowering Change in Teaching Through Evaluation, Research, and Collaboration (M) This activity-based session invites participants to review and discuss real life case studies using examples of evaluation, research, and collaboration that have empowered change in teaching within a university context. Participants envision conditions that support change in teaching; results of the brainstorming session will then be compared to evaluation and research results from a study conducted at the University of Alberta. Presenters: Brad Arkison, Myrna Sears, and Cheryl Whitelaw, Academic Technologies for Learning. 3 – 5 p.m. CAB 235.

**Songfest 2005** Come out and watch as campus fraternities and sororities sing their hearts out in our annual choral competition. 8 – 10 p.m. Convocation Hall.

**U of A Ringette Game** Come watch the fast-paced and exciting action as the U of A Ringette team takes on another tough opponent. Enjoy all the thrills of this new U of A team. 8:45 p.m. – 10 p.m. Sportsplex Arena.

## MAR 01 2005

**"How to Take Great Notes"** Learn strategies for taking effective notes in class, different note-taking systems and how to work with web-based and instructor's notes. Pre-register at 2-703 Students' Union Building (SUB). 11 a.m. – 12 noon, 2-702 Students' Union Building (SUB).

**University Teaching Services** How Can Exams Contribute to Education? (E) What role should quizzes play in a course? Are oral exams a superior indicator of student understanding? Are university examinations helpful in developing critical thinking in students? In this session, the contributions that examinations make to student learning are discussed. Presenter: Mick Price, Agricultural, Food & Nutritional Science. 12:30 – 1:30 p.m. CAB 219.

## MAR 02 2005

**Medical Genetics Seminar Series** Dr. Richard Camicioli, Department of Neurology, will present "Genetics of typical Parkinson's disease" on Wednesday, March 2, as part of the Medical Genetics Weekly Seminar Series. 12 noon – 1:00 p.m. 207 Heritage Medical Research Centre.

**PHS Grand Rounds** Guest Speaker: Dr Peter Tugwell, Director, Centre for Global Health, Institute of Population Health; Professor, Faculty of Medicine, University of Ottawa "Re-Vitalizing Academic Medicine." 12 noon – 1 p.m. Room 2-117, Clinical Sciences Building.

**"The Art of Time Management"** Learn how to effectively manage your day-to-day school-work, how to set-up study schedules and how to make some time for fun, too! Pre-register at 2-703 Students' Union Building (SUB). 3 – 4 p.m. 2-702 Students' Union Building.

**University Teaching Services** Minds of all Kinds (I) This session focuses on effective communication and instructional support strategies with groups of diverse learners. Through discussion of student challenges such as handwriting concerns, learning disabilities, acquired brain injuries, accessibility issues, sensory challenges, and mental health concerns, participants will increase their repertoire of good teaching techniques for all students. Presenter: Joanne Yardley, Specialized Support and Disability Services. 3 – 4:30 p.m. CAB 235.

**The University of Alberta chapter of Sigma Xi** Lecture by Dr. Vic Adamowicz, Department of Rural Economy, on "Should we place an economic value on nature?" Monthly lecture sponsored by

Sigma Xi. Open to all. Refreshments at 4:15 pm. Lecture starts at 4:30 pm. M-145 Biological Sciences Building. 4:15 – 6 p.m.

## MAR 03 2005

**Special Seminar** The Department of Biological Sciences is pleased to present a special seminar, "Epidermal Growth Factor Receptor Distributions and Dynamics on Surfaces of Living Cells" by Dr. Nils Petersen, Director General of the National Institute for Nanotechnology. Dr. Laura Frost will host Dr. Petersen's visit to Biological Sciences. Refreshments will be served at 10:45 a.m. 11:00 a.m. ETLE 1-013 Engineering Teaching Learning Complex.

**Lunch by the Books** "Jasper Avenue: The road to Edmonton's growth and identity" will be presented by Dr. Frances Swyripa, a professor in the Department of History and Classics. Swyripa will discuss the different roles – a combination of commercial, physical, visual, symbolic, aesthetic, nostalgic, revitalizing, and political – that Jasper Ave. has played in the life and identity of Edmonton. Participants are welcome to bring their lunch to the sessions, which will take place Thursdays between 12:10 and 12:50 p.m. Stanley A. Milner Library (downtown), Centre for Reading and the Arts, main floor.

**Virtual Manufacturing from the Ground Up** Prof. Pierre Boulanger Department of Computing Science, University of Alberta. 2:30 p.m. 2-002 Engineering Teaching and Learning Complex (ETLC).

**Rural Economy Seminar** Keith Brouhle, Assistant Professor, School of Business, University of Alberta will present "Determinants of Participation versus Consumption in the Swan Eco-Labeled Paper Products Market". 3 p.m. 550 General Services Building.

**"Aesthetic Experience and the Systematicity of Nature in Kant's Theory of Taste" (co-authored with Sahan Evren)** Alexander Rueger, Department of Philosophy, University of Alberta. 3:30 p.m. Humanities Centre 4-29.

**Ehud Ben Zvi (UofA), "The Case of "Boiling in Fire" in Chronicles.** A window into ideological discourses among literati in Late Persian Yehud History & Classics Colloquium Series. 3:30 - 5 p.m. Room 2-58 Tory Building.

**Fourth Annual Women's Studies Lecture** Rosalind Sydnie, Professor and Chair, Department of Sociology, "Memoirs of a Disobedient Daughter". Reception to follow in Tory 14-28. 3:30 p.m. Tory Breezeway 2.

**Under the Northern Lights: The Boreal Forest** Dr. Jim Fyles, Program Leader, Sustainable Forest Management Network, "Sustainable forest management in Canada: what are we sustaining?" 4:30 p.m. V Wing Lecture Theatres, Room 120.

**University Teaching Services** PowerPoint Custom Templates (S) This hands-on session takes participants on a step-by-step design journey by creating custom pages for a presentation. Participants can e-mail their creations to their computers. Limited computer workstations available; first come, first seated. Presenter: Kevin Moffitt, Technology Training Centre. 5 - 6 p.m. Technology Training Centre (Cameron Library basement).

**Jonathan Hart (English):** Francesco Petrarca, known to us as Petrarch, was born in 1304, just over 700 years ago. Often considered the founding father of the Renaissance, Petrarch lives for us through his trend-setting Italian verse even more than his important body of Latin writings. Dr. Hart, an expert in comparative literature, will take a wide-ranging look at Petrarch himself and his influence through the centuries. Staff, students, and the public are all welcome to attend this Edmontoni Mediterranean Institute presentation. 7:30 - 9:15 p.m. Tory Breezeway TB-W2

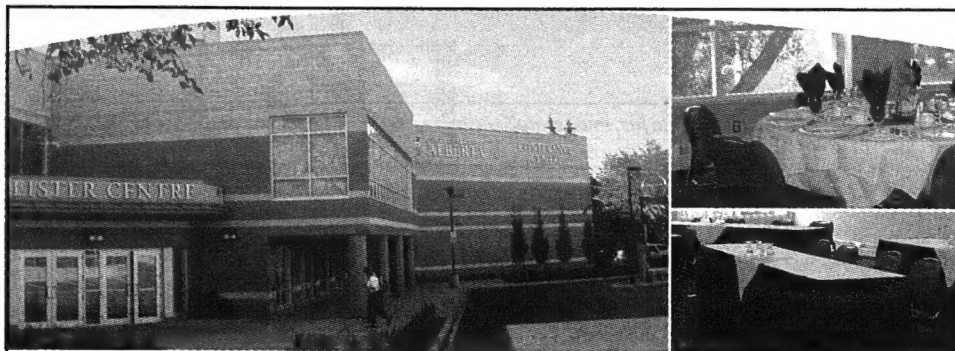
## MAR 04 2005

**University Teaching Services** Do Professors Need to do Research in Order to Teach? (S) One of the main arguments about the difference between universities and colleges is that at colleges the professors read about research, while at universities the professors do the research. How important is it to the undergraduate curriculum at the U of A for our professors to do research? Can faculty be effective university teachers without being active researchers? Presenters: Tom Chacko, Earth and Atmospheric Sciences and Doug Owram, History and Classics. 12:15 – 1:30 p.m. CAB 219.

**LH Thomas Distinguished Lecture, Paul Voisey (UofA), How an Alberta Town Discovered its Wild West Heritage** 3 – 5 p.m. Room, Timms Centre.

**The Canadian Bioinformatics Help Desk** Ian Forsythe, Department of Biological Sciences, University of Alberta is presenting a seminar on "The Canadian Bioinformatics Help Desk," at 3:30 p.m. in Room M-149 of the Biological Sciences Building.





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## Shine a light on our BEST

### Nominate a worthy volunteer for the Board of Governors' Award of Distinction

**WHO:** Award of Distinction nominees exemplify the spirit of innovation, generosity and commitment upon which the University of Alberta was founded. We seek individuals or groups who have made exceptional contributions to link the University of Alberta with the local, provincial, national and/or international community. Awards of Distinction are given to alumni and non-alumni in three categories: Academic, Non-Academic and Community.

**WHAT:** Nominees are recognized for volunteer activities which promote goodwill between the University and the broader community and enhance the University's reputation for excellence. Established in 1997 by the Board of Governors to acknowledge the many extraordinary people who touch the University, Award of Distinction recipients are now enshrined on the University's Roll of Honour at the Timms Centre for the Arts. **WHY:** By nominating someone, you demonstrate your appreciation for their efforts, highlight the innovative individuals in your department or community and provide inspirational role models for the University's next generation of leaders. **HOW:** The complete nomination form with criteria and eligibility information is available online at [www.ualberta.ca/governors/distinction.htm](http://www.ualberta.ca/governors/distinction.htm) or from the office of the Board of Governors at 492-4951.



UNIVERSITY OF  
ALBERTA

Nomination Deadline is **May 9, 2005**

# positions

The records arising from this competition will be managed in accordance with provisions of the Alberta Freedom of Information and Protection of Privacy Act (FOIP). The University of Alberta hires on the basis of merit. We are committed to the principle of equity of employment. We welcome diversity and encourage applications from all qualified women and men, including persons with disabilities, members of visible minorities, and Aboriginal persons. With regard to teaching positions: All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. For complete U of A job listings visit [www.hrs.ualberta.ca](http://www.hrs.ualberta.ca)

### ACADEMIC CO-ORDINATOR OF CLINICAL EDUCATION FACULTY OF REHABILITATION MEDICINE DEPARTMENT OF OCCUPATIONAL THERAPY

Applications are invited for the following full-time academic faculty position at the University of Alberta, Department of Occupational Therapy commencing July 1, 2005.

Ranked as one of the top occupational therapy schools in Canada, the Department of Occupational Therapy is poised for continued growth. Newly allocated funding has resulted in increased enrolment and expansion in program delivery methods. As part of the Faculty of Rehabilitation Medicine, the Department offers BSc and MSc degrees in occupational therapy and participates fully in an interdisciplinary PhD degree program in rehabilitation science. The department currently consists of thirteen full-time faculty members.

This assistant professor clinical-track position is responsible for managing the day-to-day operations of the fieldwork curriculum. This includes development of fieldwork sites, supervising students in non-traditional placements and counselling students as required. Candidates must possess a minimum of a BScOT plus an MSc degree. Knowledge of curriculum development is an asset. Teaching at the graduate and undergraduate level will be required. Minimum three-year appointment. Salary will be commensurate with experience.

Qualified applicants should send a curriculum vitae, a statement of teaching and research interests and the names of three (3) references to:

Dr. A. Cook, Dean  
Faculty of Rehabilitation Medicine  
3-48 Corbett Hall  
University of Alberta  
Edmonton, Alberta, Canada  
T6G 2G4 Phone: 780-492-5991  
e-mail: [albert.cook@ualberta.ca](mailto:albert.cook@ualberta.ca)

Review of applications will commence on April 29, 2005 and continue until the position is filled.

Further information on the positions may be obtained by contacting:

Dr. Joyce Magill-Evans, Acting Chair  
Department of Occupational Therapy  
Phone: 780-492-0399  
Email: [joyce.magill-evans@ualberta.ca](mailto:joyce.magill-evans@ualberta.ca)

### TENURE-TRACK FACULTY POSITIONS FACULTY OF REHABILITATION MEDICINE DEPARTMENT OF OCCUPATIONAL THERAPY

Applications are invited for the following full-time academic positions at the University of Alberta, Department of Occupational Therapy commencing July 1, 2005, or earlier if suitable candidates are found.

Ranked as one of the top occupational therapy schools in Canada, the Department of Occupational Therapy is poised for continued growth. Newly allocated funding has resulted in increased enrolment and expansion in program delivery methods. As part of the Faculty of Rehabilitation Medicine, the department offers BSc and MSc degrees in occupational therapy and participates fully in an interdisciplinary PhD degree program in rehabilitation science. The department currently consists of thirteen full-time faculty members.

Highly productive, eager occupational therapists who have, or will be at the completion stage of a PhD degree specializing in psychosocial issues, pediatrics, and/or occupational performance are invited to apply. Responsibilities for these positions include teaching in both the entry-level and graduate programs, and maintaining an active research profile.

Successful candidates will possess a doctoral degree in health sciences, social sciences or related discipline, have a strong research background and the potential to establish an independent research program. A background in occupational therapy is preferred, but other areas will be considered. Evidence of successful grant applications will be advantageous.

Rank and salary will be commensurate with qualifications at the assistant professor level, however, associate professor appointments will be considered for outstanding candidates. The positions are available immediately. Review of applications will commence on April 29, 2005 and continue until the positions are filled. Interested applicants should send curriculum vitae and a statement of teaching and research interests to:

Dr. Albert Cook, Dean  
Faculty of Rehabilitation Medicine  
3-48 Corbett Hall  
University of Alberta  
Edmonton, Alberta, Canada T6G 2G4

Phone: 780-492-5991 Fax: 780-492-1626

Email: [al.cook@ualberta.ca](mailto:al.cook@ualberta.ca)

Website: [www.ot.ualberta.ca](http://www.ot.ualberta.ca)

Further information on the positions may be obtained by contacting:

Dr. Joyce Magill-Evans, Acting Chair  
Department of Occupational Therapy  
Phone: 780-492-0399  
Email: [joyce.magill-evans@ualberta.ca](mailto:joyce.magill-evans@ualberta.ca)

### SENIOR MANAGER BUDGET PLANNING AND ADMINISTRATION

The University of Alberta invites applications for the position of senior manager, Budget Planning and Administration. Reporting to the director Resource Planning, this senior position is responsible for leading a team that facilitates and undertakes the necessary analysis and reporting leading to the development of the university's integrated planning process and institutional budgets in excess of \$1 billion.

Working closely with a range of institutional resource and service departments, and with the director and senior administrative committees, the senior manager

- Provides leadership to the budget planning administration team
- Conducts institutional planning research and detailed forecasting
- Undertakes financial analysis and budget modeling
- Prepares and maintains a detailed schedule for integrated planning and budgeting
- Facilitates key budget meetings; prepares final detailed institutional budgets for approval by the Board of Governors
- Ensures that the approved budget is implemented and maintained

Working in a dynamic, challenging and high paced environment, the successful candidate will have:

- Proven superior leadership and organizational abilities as well as excellent facilitation, interpersonal and communication skills
- A university degree, preferably in commerce, math or economics
- A minimum of five years of proven budgeting experience
- Detailed working knowledge of PeopleSoft Finance, Cognos Planning and Business Intelligence tools, and the Microsoft Office Suite

This full-time continuing Administrative Professional Officer position has a salary range of \$57,373 - \$90,847 and a comprehensive benefits package. A letter of introduction, curriculum vitae, and the names of three references should be submitted in confidence to:

Philip Stack  
Director, Resource Planning  
1-16 University Hall  
University of Alberta  
Edmonton, Alberta, T6G 2J9  
780-492-5629  
Deadline: February 25, 2005

### ASSOCIATE DEAN, RESEARCH FACULTY OF MEDICINE AND DENTISTRY, UNIVERSITY OF ALBERTA

1. Reports to: Dean, Faculty of Medicine and Dentistry
2. Term: Five years with re-appointment at the discretion of the Dean
3. Position Summary:

The role of associate dean, research at the University of Alberta is to lead the faculty's activities related to research through delegated authority from the Dean. The associate dean, research represents the dean in a wide variety of matters relating to the research mission and programs of the Faculty of Medicine and Dentistry; works closely with departmental chairs, divisional directors, faculty members and administrators to enhance the capacity and quality of research in the faculty. The Faculty of Medicine and Dentistry attracted over \$131 million in external research funding in 2003-04; approximately 40 per cent of the university's total external funding. The faculty is home to 21 departments, nine divisions, 13 research groups and a number of centres and institutes. The associate dean, research has a leadership role in the decision making on all aspects of the faculty's day-to-day business, long term planning and future direction.

A number of faculty programs, committees, groups and individuals report directly to the associate dean, research. The associate dean, research serves as chair of the Research Advisory Committee; co-chair of HREB; chair of the Northern Alberta Clinical Trials & Research Centre (in alternating years) and serves on a number of committees



within the faculty, the university and national research community.

The associate dean is responsible for research strategic planning in the faculty; signs all grant applications and contracts on behalf of the faculty; encourages and facilitates the development of multi-disciplinary research themes, and will continue to build the faculty's reputation for research excellence.

The position will be approximately half-time and is restricted to current members of the Faculty of Medicine and Dentistry.

Interested candidates should submit an up-to-date curriculum vitae and a two-page document outlining their vision for the portfolio and the attributes that make them suitable for the position. This material is to be submitted by February 28, 2005 to:

Dr. Tom Marrie  
c/o Helen Kurkut  
Dean, Faculty of Medicine and Dentistry  
University of Alberta  
2J2 WC Mackenzie Health Sciences Centre  
8440-112 St.  
Edmonton, Alberta, Canada  
T6G 2R7

## TENURE-TRACK ACADEMIC POSITIONS

### FACULTY OF EXTENSION, UNIVERSITY OF ALBERTA

To achieve our mission to contribute responsibly to social and individual betterment and to exemplify the ideals of a civil society, the Faculty of Extension is strengthening its excellence in key areas of scholarship and programming with four tenure-track appointments. We welcome applications from exceptional candidates with research interests and programming experience in one or more of the following interdisciplinary fields:

- continuing professional development with a focus on emerging professions
- e-government and governance
- sustainable communities, including environmental resource management
- organizational theory and development
- public policy, including health-related issues
- networks: learning, community, information

In particular, applications are encouraged from outstanding individuals with a keen interest in community engagement, experience in alternative learning environments, and a track record of successful program planning, development and delivery.

The University of Alberta is one of the leading research-intensive universities in Canada, consistently rated at the top in independent surveys of research and student success, innovation, and learning resources. The Faculty of Extension has a strong mandate with responsibility for continuing education and university outreach, serving adult learners whose needs are not met through traditional university programming. With 120 staff, 14 of which are tenure-track academic appointments, an annual gross budget of approximately \$13 million, and annual student registration count of approximately 13,000, the Faculty offers a diverse range of cost-recovery credit- and non-credit programs and services. These include a graduate degree in communications and technology, approximately 30 credential-bearing programs in continuing professional development and personal enrichment, specialized on-line learner services, as well as research and evaluation services. Inter- and multi-disciplinary research is encouraged, as is teaching collaboration with other Faculties. Through its 93-year history, our Faculty has achieved an exemplary record of university continuing education.

Reporting to the Dean, faculty members are involved in expanding current offerings and in creating new non-credit, certificate, and diploma credit programs of study that respond to emerging needs. Existing and new program possibilities are addressed through research, production, and delivery of innovative and flexible learning opportunities. Faculty members also are engaged in the acquisition of external resources to support research, development, delivery and evaluation of programming. In addition, members of the tenure-track academic staff are expected to publish, teach, work with graduate students, and contribute to the academic mission of the Faculty at the regional, national and international levels. Candidates should bring a high level of entrepreneurial enthusiasm and commitment to these positions. Faculty members work collaboratively with the post-secondary sector in Alberta through Campus Alberta and other initiatives with an interest in new models of research and academic programming.

Qualified applicants with a doctorate in an appropriate field should submit their curriculum vitae and the names of three referees by March 31, 2005 to:

Dean Cheryl McWatters  
Faculty of Extension  
University of Alberta  
Edmonton, AB, T6G 2T4

Dean McWatters is pleased to provide further information on these positions and may be contacted at (780) 492 2681 or by email [mcwatters@ualberta.ca](mailto:mcwatters@ualberta.ca).

Positions are open at assistant and associate rank. Successful applicants will receive a competitive salary commensurate with their experience and an excellent benefits plan, including relocation assistance.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

The University of Alberta hires on the basis of merit. We are committed to the principle of equity in employment. We welcome diversity and encourage applications from all qualified women and men, including persons with disabilities, members of visible minorities, and Aboriginal persons. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

We thank all applicants; however, only those selected for an interview will be contacted. Information on the Faculty of Extension can be found at [www.extension.ualberta.ca](http://www.extension.ualberta.ca) and further information for interested applicants at <http://www.extension.ualberta.ca/faculty/employment-info>.

### FACULTY OF EDUCATION UNIVERSITY OF ALBERTA CHAIR, DEPARTMENT OF EDUCATIONAL POLICY STUDIES

The Faculty of Education, University of Alberta, invites applications and nominations for a tenured position as Chair, Department of Educational Policy Studies. Located in one of the largest faculties of education in Canada, the department contributes to the pre-service preparation of teachers and offers masters and doctoral programs to approximately 220 full-time and part-time graduate students in the areas of Adult Education, Educational Administration and Leadership, First Nations Education, and Theoretical, Cultural, and International Studies in Education.

The successful candidate will provide dynamic and innovative leadership during an important period of regeneration in the Faculty, which includes development of collaborative research initiatives, program development and changes, and recruitment of faculty and graduate students. Applicants will have strong academic qualifications and a strong commitment to excellence in teaching and research. Candidates must hold a doctorate and have demonstrated academic leadership, excellent interpersonal skills, the ability to motivate and work efficiently with faculty, staff and students and effective interaction with the larger university and professional community.

The appointment will normally be for a five-year term, commencing July 1, 2005. Salary will be commensurate with experience. The application deadline is February 28, 2005. Applicants should submit a current curriculum vitae, statement of research interests, example of recently published work, and the names of three referees to:

Dr. Fern Snart, Acting Dean  
Faculty of Education  
University of Alberta  
845 Education South  
Edmonton, Alberta T6G 2G5

### FACULTY OF EDUCATION UNIVERSITY OF ALBERTA CHAIR, DEPARTMENT OF ELEMENTARY EDUCATION

The Faculty of Education, University of Alberta, invites applications and nominations for a tenured position as Chair, Department of Elementary Education. Located in one of the largest faculties of education in Canada, the Department contributes to the pre-service preparation of approximately 1500 teachers. The department offers Master's and Doctoral programs to approximately 180 full-time and part-time graduate students in the areas of Early Childhood Education, Curriculum and Instructional Studies, School Libraries, Teacher Education and elementary subject areas such as Art, Mathematics, Social Studies, Language Arts, Physical Education, Science and Music.

The successful candidate will provide dynamic and innovative leadership during an important period of regeneration in the faculty, which includes development of collaborative research initiatives, program development and changes, and recruitment of faculty and graduate students. Applicants will have strong academic qualifications and a strong commitment to excellence in teaching and research. Candidates must hold a doctorate and have demonstrated academic leadership, excellent interpersonal skills, the ability to motivate and work efficiently with faculty, staff and students and effective interaction with the larger university and professional community. The incumbent is a candidate for the position.

The appointment will normally be for a five-year term, commencing July 1, 2005. Salary will be commensurate with experience. The application deadline is February 28, 2005. Applicants should submit a current curriculum vitae, statement of research interests, example of recently published work, and the names of three referees to:

Dr. Fern Snart, Acting Dean  
Faculty of Education  
University of Alberta  
845 Education South  
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**Chance**  
10155 - 101 Street, (780) 424 0400

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[www.healthyuconference.ualberta.ca](http://www.healthyuconference.ualberta.ca)

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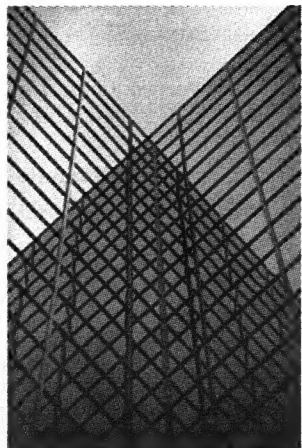
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## FACULTY OF EDUCATION UNIVERSITY OF ALBERTA CHAIR, DEPARTMENT OF SECONDARY EDUCATION

The Faculty of Education, University of Alberta, invites applications and nominations for a tenured position as Chair, Department of Secondary Education. Located in one of the largest faculties of education in Canada, the department contributes to the pre-service preparation of approximately 1400 teachers. The Department offers PhD, EdD, MEd (thesis and course-based) programs in curriculum and teaching in subject specializations (grades 7 – 12), interdisciplinary studies in curriculum inquiry, pedagogical theorizing, and teacher education to approximately 150 full and part-time students.

The successful candidate will provide dynamic and innovative leadership during an important period of regeneration in the Faculty, which

includes development of collaborative research initiatives, program development and changes, and recruitment of faculty and graduate students. Applicants will have strong academic qualifications and a strong commitment to excellence in teaching and research. Candidates must hold a doctorate and have demonstrated academic leadership, excellent interpersonal skills, the ability to motivate and work efficiently with faculty, staff and students and effective interaction with the larger university and professional community.

The appointment will normally be for a five-year term, commencing July 1, 2005. Salary will be commensurate with experience. The application deadline is February 28, 2005. Applicants should submit a current curriculum vitae, statement of research interests, example of recently published work, and the names of three referees to:

Dr. Fern Snart, Acting Dean  
Faculty of Education  
University of Alberta  
845 Education South  
Edmonton, Alberta T6G 2G5

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**CLOVERDALE NEW EXECUTIVE TOWNHOUSE** with every possible upgrade! La Caille complex. Classy finishes, top-of-the-line appliances, three bedrooms. Open plan, kitchen and living area. \$2,200/month. Immediate. Call Janet Fraser for details. Gordon W.R. King and Associates Real Estate, 441-6441.

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**TWO-STOREY, FOUR BEDROOM COMFORTABLE HOME**, finished basement, heated double garage, quiet neighbourhood, south Edmonton, close to public schools. Twenty minute drive or city bus to U of A. Partially furnished or non-furnished. Rent negotiable. Available August 1. Reason for rental: sabbatical leave. Contact Dr. Tom Jones, (780) 988-8790 or [tom\\_jones@shaw.ca](mailto:tom_jones@shaw.ca)

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## RUTHERFORD AWARD FOR EXCELLENCE IN UNDERGRADUATE TEACHING

The GFC University Teaching Awards Committee (UTAC) announces to the University community that nominations are now being sought for the annual Rutherford Award for Excellence in Undergraduate Teaching. At least one award, but not more than five, is given annually. The purpose of the Rutherford Award is to recognize excellent teaching, to publicize such excellence to the University and the wider community, to encourage the pursuit of excellence in teaching, and to promote informed discussion of teaching and its improvement at the University of Alberta. Nominations are made by Faculties that teach undergraduate students, and information about the nomination procedures and adjudication criteria has been sent to those Faculties. Nominations should be made through a Faculty committee and submitted by the Faculty to the Secretary of UTAC, 2-5 University Hall. Anyone who needs assistance and advice in preparing nominations should contact Ms Bente Roed, Director, University Teaching Services, 215 Central Academic Building (492-2826). The deadline for receipt of award nominations is Friday, February 25, 2005 at 4:30 pm. In most cases, individual Faculties have established earlier deadlines to allow for internal adjudication procedures. Award recipients are publicly recognized at a special reception, at Convocation, and at the Celebration of Teaching and Learning. They also receive a memento and a cash prize of \$3000. The prize is awarded to the recipients as a cheque.

## WILLIAM HARDY ALEXANDER AWARD FOR EXCELLENCE IN SESSIONAL TEACHING

The GFC University Teaching Awards Committee (UTAC) announces to the University community that nominations are now being sought for the William Hardy Alexander Award for Excellence in Sessional Teaching. A maximum of two awards is given annually. The purpose of the William Hardy Alexander Award is to recognize excellent teaching by sessional academic staff, to publicize such excellence to the University and the wider community, to encourage the pursuit of excellence in teaching, and to promote informed discussion of teaching and its improvement at the University of Alberta. Nominations are made by Faculties that teach undergraduate students, and information about the nomination procedures and adjudication criteria has been sent to those Faculties. Nominations should be made through a Faculty committee and submitted by the Faculty to the Secretary of UTAC, 2-5 University Hall. Anyone who needs assistance and advice in preparing nominations should contact Ms Bente Roed, Director, University Teaching Services, 215 Central Academic Building (492-2826). The deadline for receipt of award nominations is Friday, February 25, 2005 at 4:30 pm. In most cases, individual Faculties have established earlier deadlines to allow for internal adjudication procedures. Award recipients are publicly recognized at a special reception, at Convocation, and at the Celebration of Teaching and Learning. They also receive a memento and a cash prize of \$3000. The prize is awarded to the recipients as a cheque.

## 3M TEACHING FELLOWSHIP AND ALAN BLIZZARD AWARDS - 2005

The 3M Teaching Fellowships Award, which has a deadline of March 4, 2005, is a joint project of 3M Canada Inc. and the Society for Teaching and Learning in Higher Education (STLHE), initiated in 1986 by STLHE. Up to 10 awards are given annually. The University of Alberta has 24 3M Teaching Fellows, followed by the University of Western Ontario with 18 and the University of Guelph with 12. The 3M Teaching Fellowships represent Canada's only national award for university educators. Any individual teaching at a Canadian university (regardless of discipline or level of appointment) is eligible. An all expense paid three-day (November 5-7, 2005), retreat at the Fairmont Le Chateau Montebello is a main component of the award.

Nomination information is available at the following websites: [www.stlhe.ca](http://www.stlhe.ca) or [www.mcmaster.ca/3Mteachingfellowships](http://www.mcmaster.ca/3Mteachingfellowships). Email enquiries should be directed to Arshad Ahmad <[arshad@jmsb.concordia.ca](mailto:arshad@jmsb.concordia.ca)> or by phone to (514) 848-2424 extension 2928 or 2793.

EFF - FSIDA (Fund for Support of International Development Activities)

Application Deadline

The deadline for receipt of applications to the EFF - FSIDA is April 15, 2005. The next competition deadline date is October 15, 2005.

This Fund exists to enable staff and graduate students (normally PhD candidates) of the University of Alberta to participate in research

and in the international transfer of knowledge and expertise through partnerships in developing countries.

Applications and guidelines are available on the University of Alberta International web-site <[www.international.ualberta.ca](http://www.international.ualberta.ca)> under "International Cooperation" and "Funding Opportunities" or from the FSIDA Secretary at University of Alberta International, 1204 College Plaza, 8215-112 Street,

## ADVISORY REVIEW COMMITTEE FOR VICE-PRESIDENT (RESEARCH): FACULTY NOMINATIONS

Gary Kachanoski's term as Vice-President (Research) ends on June 30, 2006. Dr Kachanoski has advised President Rod Fraser that he would like to stand for a second term of office. In consultation with the Chair of the Board of Governors, Mr Jim Edwards, President Fraser has therefore asked that an Advisory Review Committee for Vice-President (Research) be struck.

The composition of the Advisory Review Committee for Vice-President (Research) includes three members of the full-time and continuing part-time faculty (Categories A1.1, A1.5 or their counterparts in A1.6) who do not hold administrative positions as defined in Section 22.3.2(4) of the GFC Policy Manual. Staff who are on leave are not eligible to serve. Dr Fraser will chair the meetings of the Advisory Review Committee, which have already been scheduled for the following days and times: March 14, 2005, 2:00-3:00 pm; April 6, 2005, 9:00-11:00 am; April 25, 2005, 2:00-4:00 pm; and May 16, 2005, 2:00-3:00 pm.

Written nominations supported by the signatures of five members of the full-time and/or part-time academic staff (not including the nominee) should be submitted to the Director of the University Secretariat, Ellen Schoeck, 2-5 University Hall. Nominations must be received by Tuesday, February 8, 2005, at 4:30pm. Nominees must agree to stand for election to the Advisory Review Committee. As stated above, GFC regulations require that nominees should not be holders of an administrative position, such as Dean or Department Chair, since administrators are already represented on the Advisory Review Committee. The full composition of this 14-member Advisory Review Committee for Vice-President (Research), and the nomination and election procedures, are contained in Section 102 of the GFC Policy Manual, which is available in the University Secretariat (2-5 University Hall) and online at [www.ualberta.ca/secretariat/](http://www.ualberta.ca/secretariat/). If you have any questions about eligibility to serve or to nominate, please call Ellen Schoeck at 492-5430.

## 2005-2006 KILLAM ANNUAL PROFESSORSHIPS

Applications for the 2005-2006 Killam Annual Professorships are now available. All regular, continuing, full-time academic faculty members who are not on leave during 2005-2006 are eligible to apply. Deans, Department Chairs and other senior University administrators with personnel responsibilities shall not normally be eligible for Killam Annual Professorships. Associate Deans and Associate Department Chairs are eligible providing they do not have personnel responsibilities. Up to eight Killam Annual Professors will be selected by a subcommittee of the Killam Trusts Committee; no more than two Professorships shall be awarded to staff members in any one Faculty in any given year. Each Killam Annual Professor shall be presented with a \$3500 prize and a commemorative plaque. The duties of Killam Annual Professors shall not be changed from those that they regularly perform as academic staff members.

The primary criterion for selection shall be a record of outstanding scholarship and teaching over three or more years as evidenced by any or all of research publications, creative activities, presented papers, supervision of graduate students, and courses taught. The secondary criterion shall be substantial contributions to the community beyond the University, as evidenced by community involvement directly linked to the applicant's university responsibilities and activities.

Awards are tenable for twelve months commencing July 1, 2005. The completed application must be received at the Office of the Vice-President (Research), 3-7 University Hall, by 4:30 pm, Friday 25 February 2005. The awardees shall be announced by early May, and they will be formally recognized at the Killam Luncheon in the autumn of 2005.

Applications and further details are available on the home page of the Vice-President (Research) at: <http://www.uofaweb.ualberta.ca/vpresearch/>

Please contact Annette Kujda, Administrative Officer, Office of the Vice-President (Research) at extension 28342 or email: [annette.kujda@ualberta.ca](mailto:annette.kujda@ualberta.ca) if you have any questions.

## NEW APPOINTMENT

# ALBERTA HERITAGE FOUNDATION for MEDICAL RESEARCH



**Robert A. Seidel, Q.C.**  
Member, Board of Trustees  
Alberta Heritage Foundation  
for Medical Research

The Alberta Heritage Foundation for Medical Research (AHFMR) is pleased to announce a new appointment to its Board of Trustees. Mr. Robert A. Seidel, Q.C. was appointed by the Lieutenant Governor of the Province of Alberta by an Order in Council effective January 26, 2005.

Mr. Seidel was born and raised in Edmonton, and received Bachelor of Commerce and Bachelor of Law degrees from the University of Alberta. A lawyer with the firm Davis & Company, Mr. Seidel has extensive experience in all aspects of corporate and commercial law, land use planning and development, oil and gas, forestry, commercial leasing, commercial financing, and municipal law. His practice also focuses on environmental law and board governance and accountability. He is also a member of Davis & Company's Executive Committee. He was appointed Queen's Counsel in 1997.

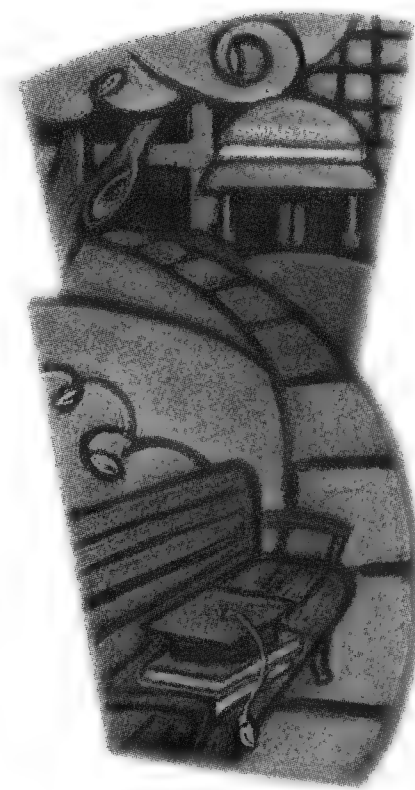
Mr. Seidel is a member of a number of professional organizations including the Law Society of Alberta, the Canadian Bar Association, and the Edmonton Bar Association. He serves as a member of the board of governors of Grant MacEwan College, is the current Chairman of the Grant MacEwan Foundation, and is the former chair of the Glenrose Rehabilitation Hospital Fund Raising Committee.

Now celebrating its 25th year of research excellence, AHFMR has awarded more than \$780 million to researchers at the University of Alberta, the University of Calgary, the University of Lethbridge, and their affiliated institutions. Heritage scientists recruited in Alberta, from other parts of Canada, and from around the world are earning international acclaim for their research advances in such fields as heart function, genetics, cancer, diabetes, and population health. Heritage researchers attract \$2-3 in outside funding for every AHFMR dollar received. Premier Klein recently announced a \$500 million addition to AHFMR's endowment.

AHFMR was highly commended for its record of achievements and the excellence of its activities throughout the province in a report prepared by members of an International Board of Review in June 2004.



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Executive suites  
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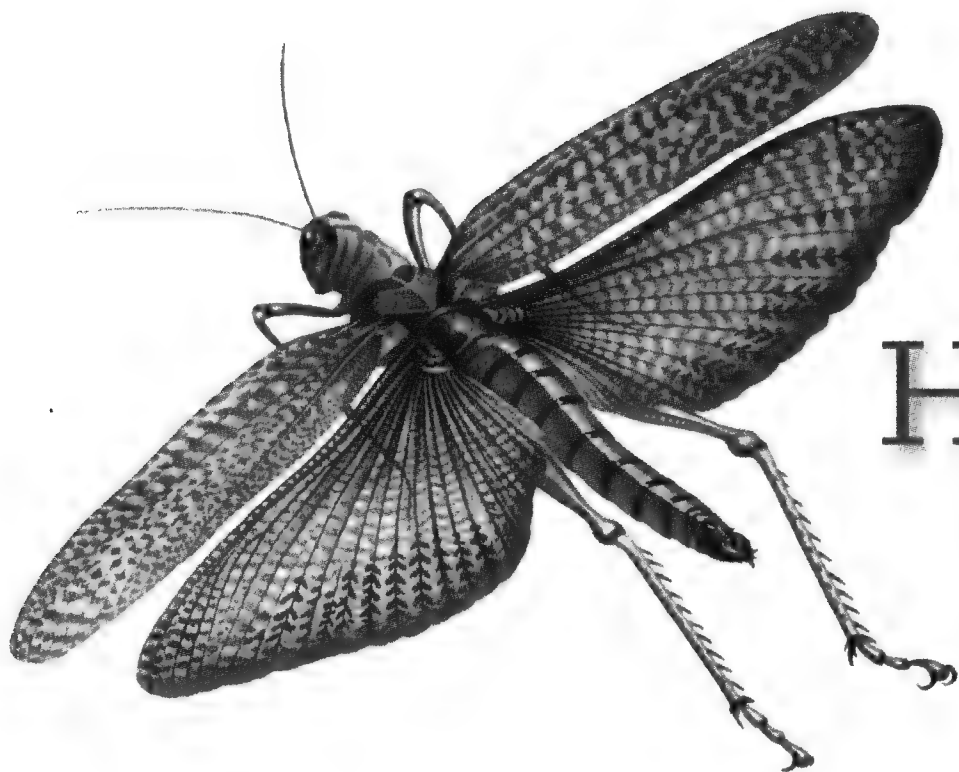
11145 - 87 Avenue, Edmonton, Alberta  
Tel: 780.439.6060 Fax: 780.433.4410  
Email: [reservations@campustower.com](mailto:reservations@campustower.com)



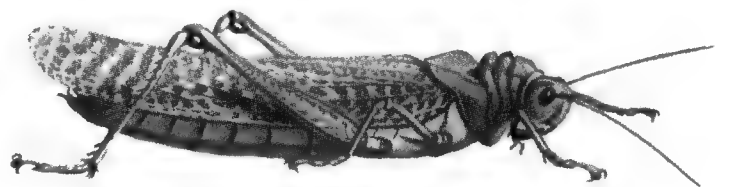
Toll Free Reservations 1.888.9Maclab  
[www.maclabhotels.com](http://www.maclabhotels.com) (622522)

**For complete University of Alberta job listings visit:  
[www.hrs.ualberta.ca/](http://www.hrs.ualberta.ca/)**





# An Illustrated History of Insects



**Collection reveals as much about artistry as it does about insects**

By Shawn Benbow

Dr. George Ball, emeritus curator of the Entomological Museum at the University of Alberta, has brought together 35 publications from the Special Collections Library to showcase the history of insect illustration.

The exhibit in the Bruce Peel Special Collections Library, in the basement of Rutherford South, was assembled to "show something substantial about our library – not only for the number of publications, but the breadth in terms of time that is covered," Ball said.

Ball holds a doctorate from Cornell University in New York, and has been with the U of A for 50 years. Although semi-retired, Ball still works part time at the university on insect taxonomy and classification.

The earliest work on display was published in 1517, and the selection covers up to the early 20th century. "One of the most elegant pieces we have comes in a number of volumes," Ball said. "It's the *Biologia centrali-americana*. It covers the larger animals and insects of Central America." Financed and edited by two wealthy Englishmen, this publication contains 52 volumes and "has a little bit on all the animals from the United States border south to Panama," Ball said.

Other publications boast everything from detailed nerve, muscle, and organ drawings to beautiful full-page, colour renderings of butterfly life cycles.

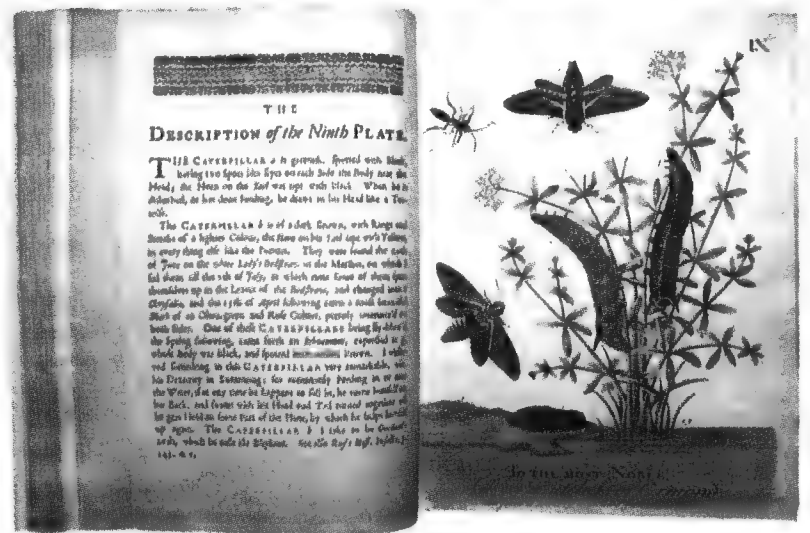
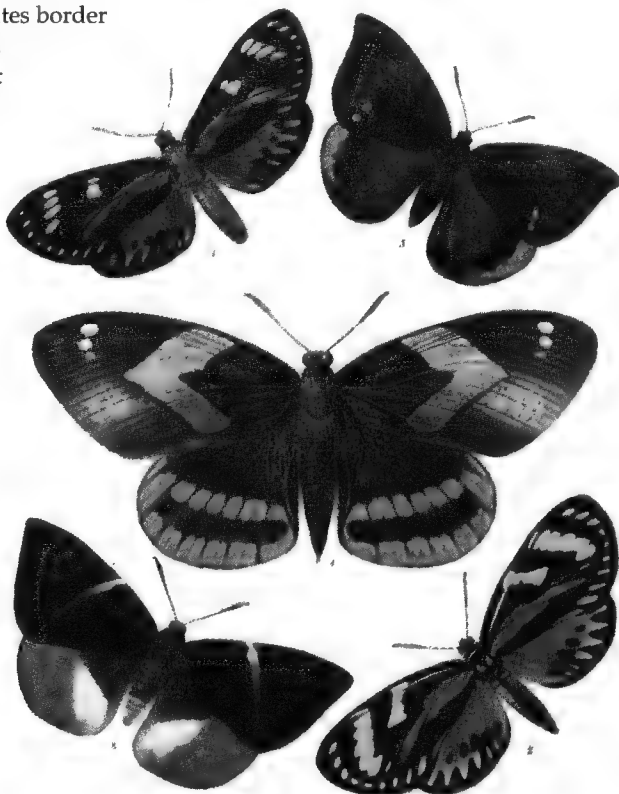
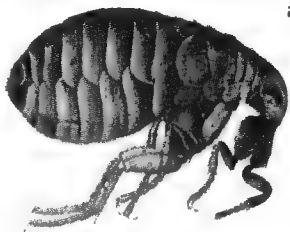
"Some of the detail that these people achieved has not been duplicated – they were that good. Of course they had optical equipment that was good at the

time, but it was nowhere near what we have now," Ball said.

What makes these early illustrations so rare is the process that was required to create such books. Not only did the artist need to draw the image, an engraver had to duplicate the drawing onto a copper plate, and a team of colourists hand-coloured each piece after the book was printed. "To produce a coloured illustration even 100 years ago was an expensive proposition," he said.

To help make the publications more accessible, Ball added, publishers sometimes printed two different versions of a text. On display in the exhibition are two illustrations of a beetle from similar publications, identical with the exception that one is coloured, and one is black and white.

The *Art of Insect Illustration and Threads of Entomological History* is on display at the Bruce Peel Special Collections Library in the basement of Rutherford South. The exhibit runs until March, and is open Monday to Friday, 10 a.m. - 4:30 p.m. ■



The art of insect illustration is on display in its full glory at the Bruce Peel Special Collections Library. Some of the works, including Joannes Johnstons' *Historiae naturalis de insectis*, published in 1653 (top book) and *A Natural History of English Insects*, by Eleazar Albin, published in 1724, include hand-coloured images. At bottom left, butterfly images from Frederick Duane Godman and Osbert Salvin's *Biologia centrali-americana* (1879 - 1901).

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page

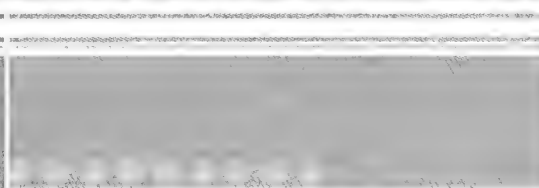
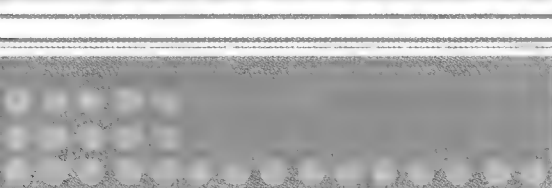
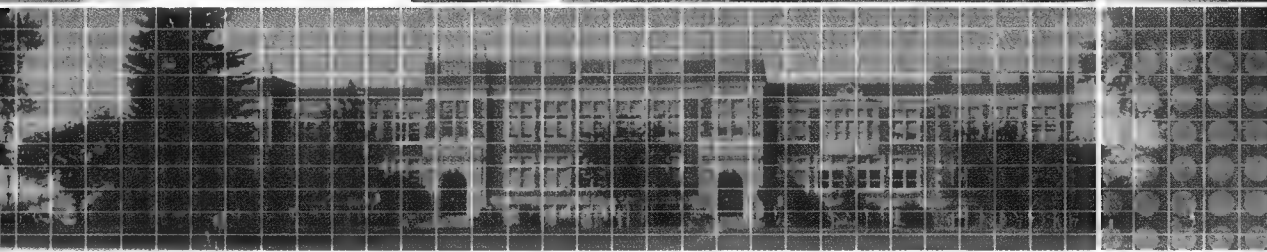




UNIVERSITY OF ALBERTA

# FACULTY OF EXTENSION

spring course guide 2005



Faculty of Extension  
continuing studies  
professional development

## Spring 2005 Courses

- 4 Business Programs
- 7 Construction Administration
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- 5 Environmental Resource Management
- 2 Fine Arts
- 4 Government Studies
- 6 Languages
- 7 Legal Studies
- 7 Master of Arts in  
Communications & Technology
- 3 Occupational Health & Safety
- 2 Residential Interiors
- 7 Training & Teaching of Adults
- 2 Writing, Editing & Publishing

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Want to get more out of life? More satisfaction in your career, or more enjoyment in your leisure time?

Why not explore what the University of Alberta has to offer adult learners like you who are looking for more knowledge, skills, imagination and creativity—whatever you need to advance and enhance your dreams and goals.

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[www.extension.ualberta.ca](http://www.extension.ualberta.ca)



# Fine Arts

Develop your creative expression with a solid grounding in the fundamentals of art through our Fine Arts courses. Offering studio instruction with professional artists, critique and practice, these courses help you build a portfolio reflective of your artistic vision and mastery.

Spring Term					
course #	CORE CERTIFICATE COURSES	day(s)	duration	starts	cost
3005sp1	Drawing I **	M	10 eve	Apr 11	\$278
3003sp1	Visual Design I	R	10 eve	Apr 14	\$278
3010sp1	Painting I	T	10 eve	Apr 12	\$320
3310sp1	Drawing III	T	10 eve	Apr 12	\$357
3012sp1	Painting III	R	10 eve	Apr 14	\$357
ELECTIVE CERTIFICATE COURSES					
3378sp1	Advanced Printmaking Studio	T	10 eve	Apr 12	\$357
3223sp1	Pen, Ink & Watercolour	W	10 eve	Apr 13	\$300
3016sp1	Printmaking/Etching	W	10 eve	Apr 13	\$320
3320sp1	Sketching on Location	W	10 aft	Apr 13	\$300
3325sp1	Copying the Great Masters	R	10 aft	Apr 14	\$330
3051sp1	Advanced Pastels	R	10 eve	Apr 14	\$342
3008sp1	Life Drawing – No Instruction	F	10 morn	Apr 15	\$140 *
3362sp1	Figurative Drawing and Sculpture <b>NEW</b>	S	10 morn	Apr 16	\$330

**LEGEND**    **M**–Monday    **T**–Tuesday    **W**–Wednesday    **R**–Thursday    **F**–Friday    **S**–Saturday    **D**–Sunday

\* Plus GST.  
\*\* Drawing is one of the cornerstones of art training and is recommended to students with no previous art experience.

Note: Morning classes are held from 9 am-12 pm, afternoon classes are held from 1-4 pm and evening classes are held from 6:30 – 9:30 pm.

780.492.3093  
website: [www.extension.ualberta.ca/liberalstudies](http://www.extension.ualberta.ca/liberalstudies)  
email: [liberalstudies@ualberta.ca](mailto:liberalstudies@ualberta.ca)

## Fine Arts Certificate Courses

Foundation I (both streams)	Foundation II (both streams)	basic	intermediate	advanced
		Drawing Stream	Δ Landscape & Interior Drawing	Δ Life Drawing
		+elective courses (60 hours)		
Δ Drawing I	Δ Drawing II			
Δ Visual Design I	Δ Art History I	Painting Stream	Δ Painting I or Watercolour I	Δ Painting II or Watercolour II
		+elective courses (60 hours)		

Δ Core Course.

Our certificate program offers two streams to choose from – painting and drawing. You must complete eight core courses per stream (240 hrs) plus 60 hours of electives made up from other courses and workshops in the program.

Fine Arts Certificate program students are required to be 17 or older and have a high school diploma or equivalent. You are required to complete a program application form and provide an application fee of \$25, which is non-refundable. Call 780.492.3093 to request a form.

You **do not** need to be a certificate student to register in the Fine Arts courses.

**NEW FALL 2005 COURSE:** Week in the Badlands

**3379su1    Sun., Aug. 28 to Fri., Sept. 2, 2005    Fee: \$450 \***

Jim Davies, one of Alberta's leading landscape painters, will conduct a week of discovery, exploration and learning in Drumheller and surrounding Badlands. We will draw and paint the landscape, investigate surrounding sights and locations as a group and on our own.

Pre-requisite: Drawing I or its equivalent  
\* tuition only - student personal expenses extra

# Residential Interiors

## Residential Interiors Certificate

351 credit hours (6 core and 3 elective courses)

Learn to deal successfully with the changes and challenges of residential interior decorating.

This certificate, unique in Western Canada, is recognized as an excellent university level program incorporating the principles of fine arts, architecture and business. Offering a balanced combination of theory, practice through applied exercises, and industry-specific instruction, this program will enhance your current practice or help you pursue a new career in residential interior decorating.

780.492.3093  
email: [liberalstudies@ualberta.ca](mailto:liberalstudies@ualberta.ca)  
website: [www.extension.ualberta.ca/liberalstudies](http://www.extension.ualberta.ca/liberalstudies)

Residential Interiors — Spring Term					
course #		day(s)	duration	starts	cost
4676sp1	Δ Introduction to Residential Interiors	W/S	11 eve/1day	Apr 13	\$425
4676sp2	Δ Introduction to Residential Interiors	TW	13 eve	Jun 7	\$440
4677sp1	Δ Basic Drawing, Drafting and Presentation	T/S	11 eve/1 day	Apr 12	\$390
4683sp1	Building Construction	R/S	11 eve/1day	Apr 14	\$390
4678sp1	Δ Color Theory and Application	W/S	11 eve/1 day	Apr 13	\$390
4680sp1	Δ Products and Finishes	R/S	11 eve/1 day	Apr 14	\$390
4679sp1	Δ Space Planning	T/S	11 eve/1 day	Apr 12	\$390
4687sp1	Lighting Seminar	S	1 day	Apr 2	\$174 *

**LEGEND**    **M**–Monday    **T**–Tuesday    **W**–Wednesday    **R**–Thursday    **F**–Friday    **S**–Saturday    **D**–Sunday

\* Plus GST.  
Δ Core Course.

# Writing, Editing and Publishing

"Words are, of course, the most powerful drug used by mankind." –Pete Seeger

Discover how to express your ideas clearly, establish an editing career, or write non-fiction with the power, grace and finesse of the best fiction writing.

Writing, Editing and Publishing Courses					
course #		day(s)	duration	starts	cost
3317wi1	Astonishment in the World: Exploring Creative Non-Fiction	FSD	1 eve/2 days	Mar. 11	\$230*
3391wi1	The Workplace Editor	RF	2 days	Mar. 3	\$230*
3409wi1	Fundamentals of a Freelance Business	S	1 day	Mar. 19	\$155*

**LEGEND**    **M**–Monday    **T**–Tuesday    **W**–Wednesday    **R**–Thursday    **F**–Friday    **S**–Saturday    **D**–Sunday

\* Plus GST.

**Extension Centre Gallery Touch Me: Women's Art Exhibition**  
**June 6 – 29, 2005** Opening Reception, Sunday, June 5, 5 - 7 pm

Includes "Readings" by the artists Noni Boyle, Brenda Malkinson and Agnieszka Matejko.  
A multi-media and multi disciplinary visual art exhibit held in conjunction with Women's Words.  
2<sup>nd</sup> Floor, University Extension Centre, 8303-112 Street  
Gallery hours: 8 am - 4 pm, Monday to Friday

780.492.3093  
email: [liberalstudies@ualberta.ca](mailto:liberalstudies@ualberta.ca)  
website: [www.extension.ualberta.ca/liberalstudies](http://www.extension.ualberta.ca/liberalstudies)

**Women's Words: Summer Writing Week**  
**June 3 to 10, 2005**

*"There is a writer in everyone. They would find voice by taking this program."  
"Writing gave me the confidence to write more in one week than she did the rest of the year." – wanted that experience – past participants 2004*

Join us for our 12th year of women working with words! We have designed this program for women with stories – all women, in other words, both established and new writers. Come for the weekend or the entire week to explore life-writing, fiction, creative non-fiction, poetry, prose or new this year –working with visual art and text.

**Program Schedule:**

**Weekend Workshops:**    **Fri., June 3, 7 - 9 pm**  
Sat. and Sun., June 4 & 5, 9 am - 4:30 pm

**Morning or Afternoon Workshops:**    **Mon. through Fri., June 6 to 10; 9 am to noon**  
and/or 1:30 - 4:30 pm.  
Evening readings supplement the week.

**Cost:**    **\$295 per course, or \$270 per course if registering in 2 or more courses.**

For detailed information visit our website at:  
[www.extension.ualberta.ca/womenswords](http://www.extension.ualberta.ca/womenswords)



# ELLA: Spring Session for Older Adults May 2-20, 2005

The **Edmonton Lifelong Learners Association (ELLA)**, in cooperation with the U of A Faculty of Extension, offers older adults a 3-week Spring Program with a variety of non-credit courses in liberal arts, fine arts, science and the humanities, as well as emphasizing physical and mental well-being.

Course Offerings: All classes are held in the U of A Education Building (87 Ave/112-114 Street), unless otherwise noted.

## Early Morning Fitness Classes – 7:30 to 8:45 am

course #	Instructor
EL 11 Tai Chi	Hiromi Takahashi
EL 12 Walking for Fitness*	Lynne Willis

\* held in the U of A Butterdome

## All Morning Art Classes – 9:00 to 11:50 am

course #	Instructor
EL 13 Advanced Watercolour (Week 1 & 3) Drawing with Charcoal, Ink & Watercolour (Week 2)	Frances Alty-Arscott
EL 14 Watercolour – Beginners	Brenda Malkinson
EL 15 Oil & Acrylic Techniques	Joanna Moore
	Lorraine Ure

## Morning Classes – 9:00 to 10:20 am

course #	Instructor
EL 16 Plants and Man	David Cass
EL 17 The Art of Storytelling	Merle Harris
EL 18 Music Masterpieces of the Great Romantics	Robert Klakowich
EL 19 Provocative Art from 1850 to 1910	Frances Klinge
EL 20 Shakespeare's Greeks and Romans	James Marino
EL 21 Nazism in Hindsight	Bohdan Somchynsky
EL 22 Poetry in Everyday Life	Shirley Serviss

Writer-in-Residence: Individual Writing Conferences (EL 10)

Instructor: Gloria Sawai

Participants are invited to submit their work to Gloria Sawai for reading and discussion. Her office hours are Wednesday, Thursday and Friday mornings from 9 am to 12 noon. Writers may sign up for half-hour sessions. Bring your manuscript with you to the session (about 10 to 15 pages maximum, preferably photocopied). You are welcome to bring up any issues, ideas, problems, questions you have about the writing process.

## Mid-Morning Classes – 10:40 to 12 noon

course #	Instructor
EL 23 Greek Mythology: Divinities, Demons and Humans	Margaret Drummond
EL 24 Aging Well	Dennis Foth
EL 25 The Geology of Alberta	Sam Ghossein
EL 26 Literature & Place	James Gifford
EL 27 Faith and Politics	David Goa
EL 28 Current Affairs: the Politics of Food	Murray Hawkins
EL 29 Philosophers of War	Larry Pratt

## Early Afternoon Classes – 1:30 to 2:50 pm

course #	Instructor
EL 30 Legal and Ethical Issues of Health Care	Tracy Bailey
EL 31 Bring Them Back Alive	Mary Dawe/ Allison Kydd
EL 32 Alberta and Western Canada 1870-1971	David Hall
EL 33 Canada and Global Politics	Tom Keating
EL 34 The History of the Movies	Colin Maclean
EL 35 Astronomy	Richard Vanderberg
EL 36 Education – What Is It and Why Is It?	David Wangler

## Mid Afternoon Classes – 3:00 to 4:20 pm

course #	Instructor
EL 37 Line Dancing	Billie Anders
EL 38 Let's Have a Rousing Chorus!	Karen Mills
EL 39 Drama: a Fun Reflection on the Nature of the Human Animal	David Nattress
EL 40 Short Stories in English Translation	Tamara Navarro
EL 41 Yoga for Good Health	Zena Ursuliak

Membership in ELLA is \$20 annually and is required to enroll in the ELLA Spring Program. For one tuition fee of \$185 (incl. GST), ELLA members can register in as many courses in the Spring Program as they can fit into their timetable.

To register or to get more information:  
**Call the ELLA office at 780.492.5055**  
Visit our website: [www.extension.ualberta.ca/ella](http://www.extension.ualberta.ca/ella)

# Occupational Health and Safety

Occupational Health and Safety Certificate

Concern for the promotion of health and safety in the workplace is increasing among workers and employers across all industries. More and more, safety is becoming a condition of employment. Consequently, there is increased demand for occupational health and safety professionals. This certificate program is designed to help practitioners from many different backgrounds develop the competencies needed to be effective in the development, implementation, and evaluation of occupational health and safety programs and systems in a wide variety of occupational settings.

The program consists of 5 core courses, 2 elective courses and 56 hours of elective enrichment seminars. Classes will be held in Edmonton and Calgary.

## Occupational Health and Safety - Edmonton

course #	CORE/ CORE ELECTIVE COURSES	day(s)	duration	starts	cost
4551sp1	Accident Control I	SD	2 wknd	Apr 02	\$425
4552sp1	Accident Control II	SD	2 wknd	May 14	\$425
4590sp1	Occupational Hygiene I	SD	2 wknd	Apr 9	\$425
4591wi2	Occupational Hygiene II	SD	2 wknd	Mar 5	\$425
4591sp1	Occupational Hygiene II	M	10 eve	Apr 4	\$425
ELECTIVE ENRICHMENT SEMINARS					
4603wi1	Behaviour Based Safety	SD	1 wknd	Mar 12	\$325
4560sp1	Conflict and Confrontation	RF	2 day	Jun 2	\$325
4562sp1	Coping with Stress	F	1 day	May 13	\$225
4572wi1	Fall Protection	S	1 day	Mar 19	\$225
4574sp1	Fire Safety Program	SD	1 wknd	Apr 30	\$325
4585sp1	Managing Substance Abuse Programs At The Workplace	TW	2 day	Jun 28	\$325
4611sp1	OH&S Law, Regulations & Codes	SD	1 wknd	May 7	\$325
4610sp1	OH&S Policy Change & Conflict	T-F	4 day	Apr 5	\$425
4639sp1	Violence in the Workplace: Working Alone	F	1 day	Jun 10	\$225

LEGEND M-Monday T-Tuesday W-Wednesday R-Thursday F-Friday S-Saturday D-Sunday

## Occupational Health and Safety - Calgary

course #	CORE/ CORE ELECTIVE COURSES	day(s)	duration	starts	cost
4552wi3	Accident Control II	M-R	4 day	Mar 21	\$425
4552sp3	Accident Control II	T-F	4 day	Apr 19	\$425
4591sp3	Occupational Hygiene II	TR	10 eve	Apr 5	\$425
4575wi3	Fundamentals of Auditing	SD	2 wknd	Mar 19	\$425
4601sp3	Fundamentals of Disability Management	T-F	4 day	Apr 26	\$425
ELECTIVE ENRICHMENT SEMINARS					
4562wi3	Coping with Stress	F	1 day	Mar 11	\$225
4578sp3	Health and Safety Committees	S	1 day	Apr 16	\$225
4579sp3	Incident Investigation	SD	1 wknd	Apr 23	\$325
4611wi3	OH&S Law, Regulations & Codes	SD	1 wknd	Mar 19	\$325
4609sp3	Safety Hazard Recognition, Evaluation & Control	SD	2 wknd	Apr 30	\$425

LEGEND M-Monday T-Tuesday W-Wednesday R-Thursday F-Friday S-Saturday D-Sunday

**NEW** Due to increased demand, classes may be offered in July and August. Please contact us with your interests and for further information.

**780.492.3037**  
**toll free: 1.800.808.4784**

website: [www.extension.ualberta.ca/appliedsciences](http://www.extension.ualberta.ca/appliedsciences)  
email: [nimmi.dua@ualberta.ca](mailto:nimmi.dua@ualberta.ca)



# Business Programs

## Certificate Programs

### Management Development Certificate Program

**8 courses (5 required and 3 electives)**

Gain a solid foundation of business management by learning about the latest business trends. Acquire knowledge and skills needed for analyzing issues and making effective business decisions. Core courses introduce business and management concepts, while electives allow you to focus on areas of specific interest.

Courses are eligible for exemption toward various professional designations including the Certified Management Accountant and the Certified General Accountant.

### Management Development Certificate Program for Professional Engineers, Geologists and Geophysicists (PEGG)

**8 courses (7 required and 1 elective)**

Offered in cooperation with the Association of Professional Engineers, Geologists and Geophysicists of Alberta.

The PEGG stream in the Management Development Certificate Program is for members and members in training of APEGGA. This program will help you combine the latest management theories, tools, and techniques with the knowledge and skills you have gained through your university education.

### Management Development Certificate Program for Police Services

**5 required courses and 117 hours of electives**

Working in collaboration with the Edmonton Police Services, this program has been designed to provide a comprehensive management development education to individuals interested in the field of law enforcement. Gain knowledge and skills that will enhance your managerial competencies and advanced theory and concepts that will strengthen your leadership potential. This program is available to participants employed within police jurisdictions and law enforcement agencies and to members of the public who determine that this program fits your continuing professional development needs.

### Human Resources Management Certificate Program

**8 courses (5 required and 3 electives)**

Develop the skills required to meet the changing role of human resources professionals. Learn how to plan for the needs of your organization and gain a greater understanding of issues in this field. Improve and enhance your practical skills that directly apply to the day-to-day operation of the human resources role. This program is invaluable for those working in human resources, as well as those working in or aspiring to a supervisory role.

### Information Technology Management Certificate Program

**8 courses (4 required and 4 electives)**

Keep pace with the rate of change in the information systems industry and learn how to anticipate future developments and trends. This quality program is based on understanding organizational effectiveness and how managers acquire, organize and use information. Developed in consultation with information technology practitioners, business managers, and industry experts, you are provided with the latest knowledge and expertise in the area of information technology management.

All the courses within this certificate program contribute toward the ongoing re-certification of the Canadian Information Processing Society (CIPS) ISP designates.

### Security Management Certificate Program

**8 courses (7 required and 1 elective)**

Offered in cooperation with the Edmonton/Northern Alberta Chapter of the American Society for Industrial Security. Become an effective manager of the security function within your organization as you gain a solid understanding of general management principles and protective management skills. This program helps you build knowledge and skills in the management of physical security, as well as the protection of personnel and information assets.

### Professional Programs in Cooperation with Business Certificate Programs

Many of the courses offered in Business Certificate Programs can be used to receive recognition from many respected and valued professional associations. Professional designations in such areas as accounting, purchasing, management, risk and insurance, and credit management can be completed by taking courses through the University of Alberta. For a complete listing of professional programs please call 780-492-3027 or 780-492-5545.

### Business Certificate Courses – Spring Term

course #		day(s)	duration	starts	cost
5610sp1	Business and Systems Analysis	T	12 eve	Apr 12	\$425
5564sp1	Business Policy	T	12 eve	Apr 12	\$425
5629sp1	Conflict of Laws	W	12 eve	Apr 13	\$425
5569sp1	Consulting Processes	S	7 days	Apr 2	\$425
5612sp1	Data Resources Management	W	12 eve	Apr 13	\$425
5596sp1	Human Resources Foundation	SD	2 wknd	Apr 8	\$425
5576sp1	Interpersonal Communications in Business	R	12 eve	Apr 14	\$425
5577sp1	Introduction to Business Management	T	12 eve	Apr 12	\$425
5578sp1	Introduction to Managerial Economics	R	12 eve	Apr 14	\$425
5579sp1	Introductory Financial Accounting	W	12 eve	Apr 13	\$425
5581sp1	Management Accounting	W	12 eve	Apr 13	\$425
5620sp1	Managing Investigations	W	12 eve	Apr 13	\$425
5584sp1	Marketing	SD	2 wknd	Apr 22	\$425
5584sp1	Optimal Negotiator		On-line	Apr 12	\$425
5587sp1	Organizational Behaviour	W	12 eve	Apr 13	\$425
5587sp2	Organizational Behaviour		On-line	Apr 14	\$425
5636sp1	Principles of Buying	SD	3 wknd	May 14	\$645
5631sp1	Risk Financing	T	12 eve	Apr 12	\$425
5601sp1	Strategic Human Resources Management	S	7 days	Apr 2	\$425
5602sp1	Techniques of Interviewing	T	12 eve	Apr 12	\$425
5603sp1	Training and Development of the Work force	R	13 eve	Apr 14	\$425
5604sp1	Working Within the Evolving Organization	SD	2 wknd	Apr 15	\$425

LEGEND    M–Monday    T–Tuesday    W–Wednesday    R–Thursday    F–Friday    S–Saturday    D–Sunday

**780.492.5545**  
**or 780.492.3027**  
**website: [www.extension.ualberta.ca/business](http://www.extension.ualberta.ca/business)**  
**email: [busprog@ualberta.ca](mailto:busprog@ualberta.ca)**

# Government Studies

Promoting good government through public policy and public administration continuing education.

### Local Government Certificate Program

Our program integrates theory and practice to foster understanding of local government administration. A combination of distance delivery and in-person seminars gives you flexibility as well as personal contact with the instructor and other students.

Students may elect to take the course by computer mediated delivery, and in addition to printed materials, each course has a website with forums for computer conferencing. Computer conferencing is an excellent way to work with your course materials and complete your assignments. Throughout the term, you can discuss issues with your fellow students, the instructor, and the teaching assistant. You will have the opportunity to share experiences and ideas with your classmates and build on them to enrich your own learning. For more information contact our program office.

### Spring Offerings

The following courses are offered in April:

- Local Government
- Local Government Finance
- Human Resource Management
- Information Access and Protection of Privacy (IAPP) Foundations

**780.492.5052**  
**toll free: 1.877.686.4625**  
**website: [www.govsource.net](http://www.govsource.net)**  
**email: [govstudy@ualberta.ca](mailto:govstudy@ualberta.ca)**

### Information Access and Protection of Privacy (IAPP) Certificate Program

The IAPP Certificate Program courses focus on fundamental theories related to the ideas, structures, and processes that define appropriate administration of access and privacy legislation at a municipal, provincial and federal level in Canada. The program aims to develop and enhance managerial leadership capabilities in the access and privacy field, improve administration of the legislation, and promote enlightened democratic government. Courses are delivered online and there is extensive use of discussion and debate.

### Spring Offerings

The following courses begin in April:

- Information Access and Protection of Privacy Foundations
- Information Access in a Liberal Democracy

### Applied Land Use Planning (ALUP) Certificate Program

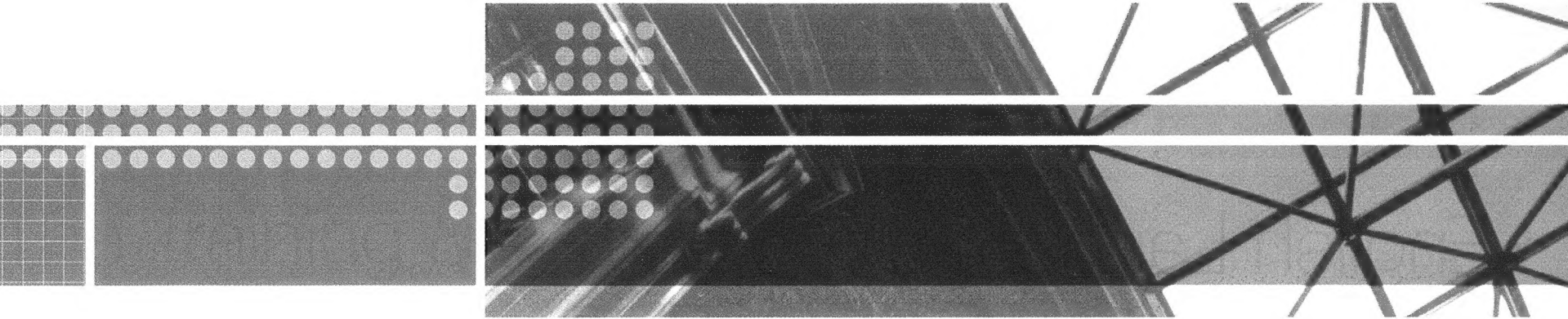
The Applied Land Use Planning Certificate Program utilizes a variety of instruction formats to province the theory, tools, techniques, and policies of sound land use planning.

### Spring Offerings

The following courses begin in April:

- Local Government
- Local Government Finance





## Citation Programs

### Supervisory Development Program

Our Supervisory Development Citation Program provides the up-to-date information and advice you need to become an effective leader in your work environment. Whether you already supervise staff or are planning to move your career in that direction, you will benefit from this practical program that focuses on the key areas of supervision.

#### Compulsory Seminars

- Principles of Supervision (16 hours)
- Interpersonal Communications (16 hours)
- Creating Effective Work Groups (16 hours)
- The Supervisor as a Trainer (16 hours)
- Interviewing Techniques for Supervisors (16 hours)
- Supervisory Summation (16 hours)

#### Optional Seminars

- Supervising in the Union Environment (16 hours)
- The Law and the Supervisor (16 hours)

The program schedule is flexible, offering you a variety of dates to choose from. To graduate, you will complete six required seminars and one optional (listed above). Group discounts are available for organizations enrolling more than three people at one time in any one seminar. For more information, call 780.492.5066 or 780.492.8315.

### Professional Sales Program

This program will provide you, the sales professional, with the opportunity to enhance your skills and become more proactive in today's marketplace. This is a comprehensive yet concise program providing you with the ingredients of selling success.

- Effective Selling Skills (30 hours)
- Communication Skills for Sales Professionals (21 hours)
- Exceptional Customer Service (14 hours)
- Major Account Sales Strategy (14 hours)
- Management of the Sales Force (21 hours)
- Sales Summation (14 hours)

To graduate, you need to complete the six courses listed above. Group discounts are available for organizations enrolling more than three people at one time in any one course. For more information, call 780.492.5066 or 780.492.8315.

Note: First time registrants in the Supervisory Development Program or the Professional Sales Program are required to complete a program application form. To obtain a form or for more information, call 780.492.5066.

Thinking of in-house training?  
We can help you by exploring possibilities for training within your organization. Call 780.492.8315.



# Environmental Resource Management

### Environmental Resource Management Certificate Program

The Environmental Resource Management (ERM) Certificate Program provides a thorough understanding of the fundamentals of environmental management. It explores the critical ideas and developments that affect your organization's environmental performance. The ERM program examines several areas, which include: air, water and soil processes, environmental monitoring, biotechnology, instrumentation and experimental design.

To receive a copy of the Environmental Resource Management program calendar call 780.492.5532 or email: [connie.wildman@ualberta.ca](mailto:connie.wildman@ualberta.ca).



### Key Supervisory/Team Skills

course #		day(s)	duration	starts	cost
5310sp1	Principles of Supervision	MT	2 days	Apr 4	\$315
5311sp1	Interpersonal Communications	MT	2 days	Apr 11	\$315
5312sp1	Creating Effective Work Groups	RF	2 days	Apr 21	\$315
5313sp1	The Supervisor as a Trainer	RF	2 days	Apr 28	\$315
5314wi1	Interviewing Techniques for Supervisors	RF	2 days	Mar 3	\$315
5314sp1	Interviewing Techniques for Supervisors	MT	2 days	May 2	\$315
5315sp1	Supervising in the Union Environment	MT	2 days	May 9	\$315
5316wi1	The Law & the Supervisor	MT	2 days	Mar 21	\$315
5316sp1	The Law & the Supervisor	RF	2 days	May 5	\$315

LEGEND	M-Monday	T-Tuesday	W-Wednesday	R-Thursday	F-Friday	S-Saturday	D-Sunday
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### Sales and Sales Management

course #		day(s)	duration	starts	cost
5332wi1	Exceptional Customer Service	RF	2 days	Mar 3	\$315
5333wi1	Major Account Sales Strategy	MT	2 days	Mar 21	\$315
5334sp1	Management of the Sales Force	RF	3 days	Apr 21	\$365

LEGEND	M-Monday	T-Tuesday	W-Wednesday	R-Thursday	F-Friday	S-Saturday	D-Sunday
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## Seminars and Short Courses

### Management Seminars

course #		day(s)	duration	starts	cost
5351sp1	The Art of Negotiating...With Anyone	TW	2 days	Apr 19	\$575 *
5352sp1	Assertiveness in the Workplace	W	1 day	Apr 6	\$295 *
5358wi1	Effective Speaking for Business & Professional People	WRF	3 days	Mar 16	\$395 *
5356sp1	Conflict Management	F	1 day	May 13	\$295 *
5364sp1	Influencing Difficult People	M	1 day	Apr 25	\$295 *
5377wi1	Successful People Management	TW	2 days	Mar 1	\$395 *
5357wi1	Effective Listening	W	1 day	Mar 23	\$295 *
5386wi1	Effective Problem Solving & Decision Making	WR	2 days	Mar 2	\$395 *
5372sp1	Mental Toughness: Training for Success	RF	2 days	Apr 28	\$395 *
5399sp1	First Things FirstTM: Enhancing Personal & Professional Effectiveness	MT	2 days	Apr 4	\$850 *
5398sp1	Strategic Leadership: Leading for Results	WR	2 days	Apr 6	\$930 *
5380sp1	Thinking Beyond the Box	R	1 day	Apr 21	\$395 *
5369sp1	Managing Your Time	W	1 day	May 4	\$295 *
5381sp1	The Workplace Writer (Managers)	WR	2 days	Apr 13	\$375 *
5382wi1	The Workplace Writer (Support Staff)	MT	2 days	Mar 14	\$375 *
5371wi1	Mediation & Conflict Resolution	RF	2 days	Mar 10	\$375 *
5405sp1	Developing a Business Case	R	1 day	May 5	\$295 *
5360sp1	Finance for Nonfinancial Managers	TW	2 days	Apr 26	\$375 *
5361sp1	Financial Planning, Budgeting & Management	MT	2 days	Apr 11	\$375 *
5367sp1	Project Management: The Human Dimension	F	1 day	Apr 15	\$295 *

LEGEND	M-Monday	T-Tuesday	W-Wednesday	R-Thursday	F-Friday	S-Saturday	D-Sunday
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### Investments and Personal Finance

course #		day(s)	duration	starts	cost
5350wi1	An Introduction to Commodity Futures Markets	S	1 day	Mar 12	\$145 *

LEGEND	M-Monday	T-Tuesday	W-Wednesday	R-Thursday	F-Friday	S-Saturday	D-Sunday
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\* Plus GST.

### Courses for Environmental Professionals

course #		day(s)	duration	starts	cost
4256wi1	Applied Hydrology (core)	W	8 eve	Mar 9	\$425
4235wi1	Mold: Problems and Solutions for Construction Stakeholders	RFS	3 days	Mar 17	\$395
4268sp1	Environmental Impact Assessments	RFS	3 days	Apr 21	\$425
4280sp1	Wetlands Ecology & Remediation	FSD	3 days	Apr 29	\$425
4277sp1	Risk Communication	RFS	3 days	May 5	\$425

LEGEND	M-Monday	T-Tuesday	W-Wednesday	R-Thursday	F-Friday	S-Saturday	D-Sunday
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**780.492.5532**  
website: [www.extension.ualberta.ca/appliedsciences](http://www.extension.ualberta.ca/appliedsciences)  
email: [connie.wildman@ualberta.ca](mailto:connie.wildman@ualberta.ca)







# English Language Program

**Our Program** Established in 1973, the English Language Program (ELP) enjoys an international reputation for providing a high standard of instruction in English to students from around the world. This standard of excellence is maintained by specialized teaching staff who employ modern teaching approaches and materials. Students use a computerized, state-of-the-art, multi-media language centre. In addition to regular offerings, the ELP will organize short-term courses designed to meet the specific needs of groups from the local or international community.

Placement Test				
course #	day(s)	duration	starts	cost
Placement Test—March Session	W	1 Morn	Mar 2	\$50
Placement Test—May Session	T	1 Morn	May 3	\$50

Day Courses				
course #	day(s)	duration	starts	cost
<b>Intensive Day Program (Level 1-8)</b>				
<b>ESL 100, 105, 110, 115, 120, 125, 130, 135 &amp; Business English</b>				
March Session	M-F	Morn or Aftn	Mar 7	\$1,495 *
May Session	M-F	Morn or Aftn	May 9	\$1,495 *
<b>English for Academic Purposes (ESL 140-ESL 145)</b>				
May Session	M-F	Morn or Aftn	May 9	\$1,389 *
<b>Preparing for Graduate Studies (ESL 550)</b>				
May Session	M-F	Morn or Aftn	May 9	Inquire
July Session	M-F	Morn of Aftn	July 7	Inquire

Note\*\* Each Intensive Day session lasts 7 weeks. The cost includes tuition, mandatory health insurance, health services and student services fees. ESL 140 and 145 are English for Academic Purposes courses, which are meant especially for students who wish to enter academic degree programs at the UofA.

Explore Canadian English!							
course #	JULY SESSION	day(s)	duration	starts	cost		
07212su1	Explore Canadian English!	M-F	Morn	July 19	\$850		
	AUGUST SESSION						
07212su2	Explore Canadian English!	M-F	Morn	Aug 2	\$850		
LEGEND	M-Monday	T-Tuesday	W-Wednesday	R-Thursday	F-Friday	S-Saturday	D-Sunday

## Evening Courses

course #		day(s)	duration	starts	cost
70391wi2	Build Your Conversation Skills**	MW	12 eve	Mar 7	\$275
70391sp1	Build Your Conversation Skills**	MW	12 eve	May 9	\$275
70401wi2	Speak More Effectively**	MW	12 eve	Mar 7	\$275
70401sp1	Speak More Effectively**	MW	12 eve	May 9	\$275
70031wi2	Speak and Present**	MW	12 eve	Mar 7	\$275
70031sp1	Speak and Present**	MW	12 eve	May 9	\$275
07089wi2	Speaking for Academic Purposes**	MW	12 eve	Mar 7	\$275
07089sp1	Speaking for Academic Purposes**	MW	12 eve	May 9	\$275
70711wi2	Pronunciation**	TR	12 eve	Mar 8	\$275
70711sp1	Pronunciation**	TR	12 eve	May 10	\$275
70721wi2	More Pronunciation**	TR	12 eve	Mar 8	\$275
70721sp1	More Pronunciation**	TR	12 eve	May 10	\$275
07046wi2	TOEFL® Preparation	M-R	24 eve	Mar 7	\$550
07046sp1	TOEFL® Preparation	M-R	24 eve	May 9	\$550
07075wi2	Writing for Academic Purposes	TR	12 Eve	Mar 8	\$275
07075sp1	Writing for Academic Purposes	TR	12 Eve	May 10	\$275
07045sp1	Preparing for ENGL 111				
	Language, Literature, and Culture	MW	20 eve	May 16	\$275

LEGEND M-Monday T-Tuesday W-Wednesday R-Thursday F-Friday S-Saturday D-Sunday

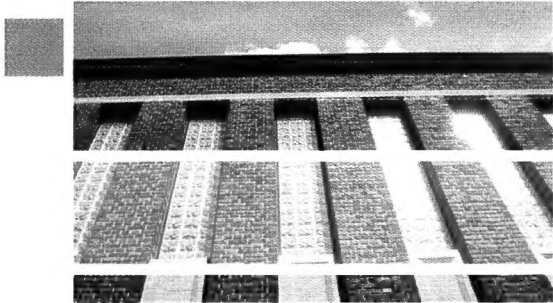
\*\* Admission requirement: Before enrolling, contact the ELP Office at 492.3036 or 492.7438 to make an appointment for a required oral /speech test at a fee of \$10.

### NEW SUMMER COURSE: Explore Canadian English!

In this three-week course, you will develop the communication skills necessary to function efficiently and effectively in professional and social settings. Your language study will be enriched as you and your international classmates explore Canadian culture.

780.492.3036  
or 780.492.7438  
website: [www.extension.ualberta.ca/elp](http://www.extension.ualberta.ca/elp)  
email: [elpinfo@ualberta.ca](mailto:elpinfo@ualberta.ca)

# Languages



Learning a language is more than making unusual sounds and learning a new alphabet. It's about communicating and understanding. It is a cultural experience. As you develop your vocabulary and perfect your pronunciation, we hope you will find delight in the cadence, idioms and forms of expression. And through the words and sentences that you learn, you will gain insight into how others around the globe view their world. Whether your career would benefit from a new language, you are fascinated by other countries and cultures or have a yen for travel, our language classes open up a world of possibilities.

French							
course #			day(s)	duration	starts	cost	
3114sp1	French I		MW	12 eve	May 9	\$270	
3109sp1	French II		MW	12 eve	May 9	\$270	
LEGEND	M-Monday	T-Tuesday	W-Wednesday	R-Thursday	F-Friday	S-Saturday	D-Sunday

Italian						
course #		day(s)	duration	starts	cost	
3116sp1	Introductory Italian	MW	12 eve	May 9	\$270 *	
3196sp1	Advanced Italian	TR	12 eve	Apr 12	\$270 *	
LEGEND	M-Monday	T-Tuesday	W-Wednesday	R-Thursday	F-Friday	S-Saturday D-Sunday

German						
course #		day(s)	duration	starts	cost	
3398sp1	German II	W	10 eve	Apr 13	\$270 *	
3400sp1	German IV	R	10 eve	Apr 14	\$270 *	
3312sp1	Advanced German	MW	12 eve	Apr 11	\$270 *	
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LEGEND	M-Monday	T-Tuesday	W-Wednesday	R-Thursday	F-Friday	S-Saturday D-Sunday
* Plus GST.						

## Customized Language Courses

Do you need to develop competence in another language very quickly?

Does your business or organization need a language course delivered at your site? The Faculty has considerable expertise in planning and conducting extensive customized language training programs for businesses. Please call us at 780.492.1185 to discuss your requirements.

Spanish							
course #		day(s)	duration	starts	cost		
3119wi3	Spanish Module 1	W	7 eve	Mar 9	\$210		
3119sp1	Spanish Module 1	W	7 eve	May 11	\$210		
3125wi2	Spanish Module 2	T	7 eve	Mar 8	\$210		
3125sp1	Spanish Module 2	W	7 eve	May 11	\$210		
3377wi2	Spanish Module 3	R	12 eve	Mar 10	\$270		
3377sp1	Spanish Module 3	TR	12 eve	May 10	\$270		
3163sp1	Spanish Conversation	T	10 eve	Apr 19	\$210		
3200sp1	Spanish Seminar 1	M	13 eve	Apr 11	\$360		
LEGEND	M--Monday	T--Tuesday	W--Wednesday	R--Thursday	F--Friday	S--Saturday	D--Sunday

## Spanish Language Certificate

Planning to travel in a Spanish-speaking country?

Doing business in Latin America or are you simply interested in learning about a new culture and language? The courses in our Spanish Language Certificate Program offer the opportunity to learn the language in intimate classes formatted in short modules that let you begin at whatever level suits your skills.

## SUMMER LANGUAGE INTENSIVES FRENCH, GERMAN, ITALIAN AND SPANISH

Complete a typically 12 week course in **two weeks** in July!

- 8 evenings, Mon. through Thurs.  
July 11 to 21, 2005, 6-9 pm
- Please call 780.492.3093 for details.

780.492.3093  
website: [www.extension.ualberta.ca/liberalstudies](http://www.extension.ualberta.ca/liberalstudies)  
email: [liberalstudies@ualberta.ca](mailto:liberalstudies@ualberta.ca)





# The Training & Teaching of Adults

## Certificate in Adult & Continuing Education (CACE)

The Certificate in Adult & Continuing Education (CACE) program is well recognized across Western Canada. It is jointly developed and delivered by a consortium involving the University of Victoria, University of Saskatchewan, University of Manitoba and the University of Alberta.

We recognize the demands that are placed on individuals in this profession and we offer you the flexibility of completing the entire certificate program or registering in just those workshops that are of interest to you.

Applicants to the program come from both the public and private sector. They hold positions such as program planners, instructors, trainers, human resource professionals and employment counsellors.

**780.492.7237**  
**website:** [www.extension.ualberta.ca/cace](http://www.extension.ualberta.ca/cace)  
**email:** [anna.bordian@ualberta.ca](mailto:anna.bordian@ualberta.ca)

## Certificate Courses – Spring Term

course #	WINTER	day(s)	duration	starts	cost
5962wi1	Action Learning: The Practice of Learning in Real Time	TWR	3 days	Mar 8	\$395
course #	SPRING				
5883sp1	Program Planning in Adult Education	T/S	8 eve/2 days	Apr 5	\$425
5979sp1	Systems Thinking: A Change Management Method and Tool	TWR	3 days	Apr 26	\$395
5978sp1	Teaching English as a Second Language to Adults	SD	2 days	May 7	\$350
5983sp1	Narrative and Learning: Storytelling as a Teaching Strategy	F/SD	1eve/2 days	May 27	\$375
5737sp1	Transforming Your Working and Living	TBA	TBA	TBA	\$685
5965sp1	Designing Your Own Transformative Learning Course	TBA	1eve/2 days	TBA	\$365
<b>LEGEND</b> <b>M</b> –Monday <b>T</b> –Tuesday <b>W</b> –Wednesday <b>R</b> –Thursday <b>F</b> –Friday <b>S</b> –Saturday <b>D</b> –Sunday					

# Master of Arts in Communications and Technology

The multidisciplinary Master of Arts in Communications and Technology (MACT) offers a theoretical, historical and practical examination of the technology-enabled, knowledge-intensive workplace. The degree is designed for students who seek to provide reflective and informed leadership in the management and use of information and communications technologies in their organizations and fields. These fields include education and training, information technology, public affairs, mass media, marketing, new media production, program design and development, and writing and publishing.

Students from outside of the Alberta capital region, including international students, may register in the program without changing their place of residence. The MACT is a course-based graduate program that

requires the completion of 7 core courses, 3 electives, and a final applied research project. Four of the core courses must be completed during the two Spring Institutes held at the University of Alberta each May, with the remaining 3 core courses to be completed online. The core courses are scheduled to permit completion of the degree within two academic years. Students may complete approved electives offered by the University of Alberta or at another recognized university.

**Application deadline is December 15, 2005.**

**780.492.1538**  
**website:** [www.extension.ualberta.ca/mact](http://www.extension.ualberta.ca/mact)  
**email:** [mact@ualberta.ca](mailto:mact@ualberta.ca)

# Construction Administration

## Construction Administration Certificate

**248 credit hours (209 in required courses and 39 of elective enrichment)**

This certificate program assists entry-level practitioners to become effective administrators of construction projects in a wide range of sectors in the economy. This practice-oriented, research-based program takes a multi-disciplinary approach integrating engineering, administrative, accounting, legal, social, and psychological knowledge with problems and challenges in practice. Whether you work in construction, design, project management, manufacturing and supply, development or real estate, you will benefit from this application of administrative and technical concepts, principles, and practices to your role in the construction field.

## Construction Administration

course #		day(s)	duration	starts	cost
4207wi1	Project Management II	RFS	3 days	Mar 10	\$395
4235wi1	Mold: Problems and Solutions for Construction Stakeholders	RFS	3 days	Mar 17	\$395
4205sp1	Comprehensive Seminar for Construction Administration (core)*	TW	2 days	May 24	\$375
<b>LEGEND</b> <b>M</b> –Monday <b>T</b> –Tuesday <b>W</b> –Wednesday <b>R</b> –Thursday <b>F</b> –Friday <b>S</b> –Saturday <b>D</b> –Sunday					

\* Comprehensive Seminar for Construction Administration must be taken as the final class in the program.

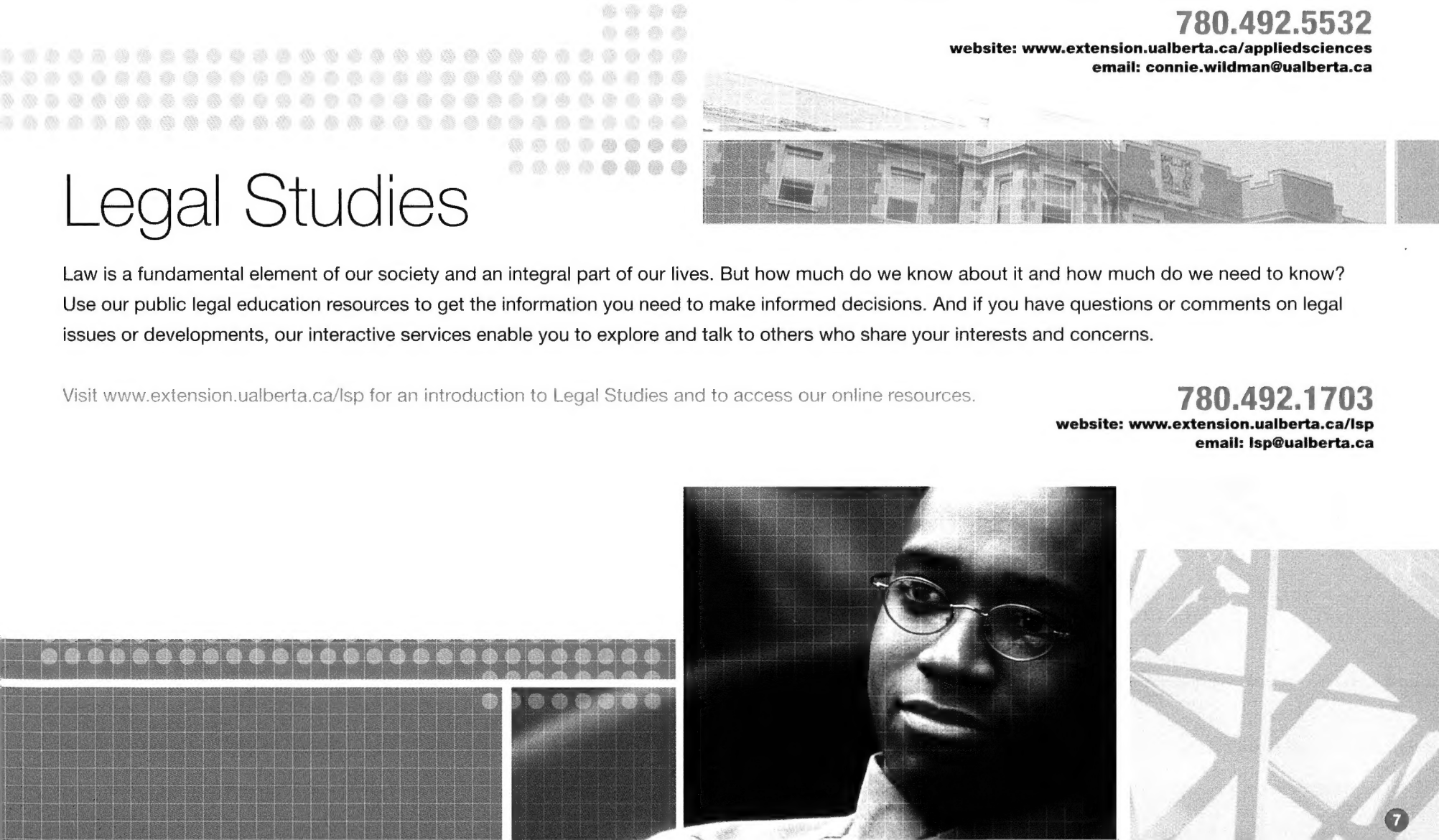
**780.492.5532**  
**website:** [www.extension.ualberta.ca/appliedsciences](http://www.extension.ualberta.ca/appliedsciences)  
**email:** [connie.wildman@ualberta.ca](mailto:connie.wildman@ualberta.ca)

# Legal Studies

Law is a fundamental element of our society and an integral part of our lives. But how much do we know about it and how much do we need to know? Use our public legal education resources to get the information you need to make informed decisions. And if you have questions or comments on legal issues or developments, our interactive services enable you to explore and talk to others who share your interests and concerns.

Visit [www.extension.ualberta.ca/lsp](http://www.extension.ualberta.ca/lsp) for an introduction to Legal Studies and to access our online resources.

**780.492.1703**  
**website:** [www.extension.ualberta.ca/lsp](http://www.extension.ualberta.ca/lsp)  
**email:** [lsp@ualberta.ca](mailto:lsp@ualberta.ca)





# Course Registration Information

## Office Hours

### Winter hours to April 30, 2005

Monday to Thursday, 8:30 am - 8:00 pm  
Friday, 8:30 am - 4:30 pm  
Saturday, 8:30 am - noon

### Summer hours to August 31, 2005

Monday to Friday, 8:00 am - 4:00 pm

For your convenience, you may register using your VISA, MasterCard, American Express, personal or company cheque, a money order or bank draft, debit card, cash or company invoice.

### Holiday hours

Closed from Fri., Mar. 25 through  
Mon., Mar. 28, 2005, inclusive.

## After you have Registered

### Confirmation Notice

Within seven to 10 days you will receive confirmation of your course location, dates and times. If you haven't received confirmation within two weeks of registering, please call our information desk at 780.492.3116.

### Education Credit/Tuition Tax Receipt (form T2202A)

Education and tuition tax credit receipts (form T2202A) are generated for students registered in courses that provide credit towards a citation, certificate, diploma or degree. For further information on the Income Tax Act and the tuition and education tax credit interpretation sections, please refer to our website on the topic:  
[www.extension.ualberta.ca/taxcredit](http://www.extension.ualberta.ca/taxcredit)

### Withdrawals and Refunds

If you choose to withdraw from a course, let us know in writing before

- the third class of a regular course term
- the commencement of a short program, seminar or workshop
- the submission date of the first assignment of a correspondence course

Please include the payment receipt for the course with your withdrawal request. An administrative fee will be withheld for all withdrawals.

In some cases, the withdrawal policy may differ from the above. Check with the appropriate program office if you have any questions regarding a course withdrawal.

### Transfers

Should you wish to transfer from one Extension course or class section to another, a transfer fee may apply.

### Course Cancellations

When course enrollments are not sufficient, Extension may cancel the course. In such a case, we will contact you as soon as possible before the course start date and refund in full any fees paid.

## Four Easy Ways to Register

You can use the registration form provided below to register for our courses. You can also print out a copy of our registration form through our web site at [www.extension.ualberta.ca/register](http://www.extension.ualberta.ca/register)

### Register by Telephone

You can register by phone using MasterCard, VISA or American Express during the office hours listed above. **Call us at 780.492.3109 or 780.492.3116.**

### Register by Fax

Fax us your completed registration form including your credit card information. If you wish to be invoiced, please include a letter of authorization from your employer or an authorized purchase order. **Our fax number is 780.492.0627.**

### Visit us on Campus

Drop off your registration at our Registration Office on the **second floor of the University Extension Centre, 8303 - 112 Street in Edmonton.**

### Mail your Registration

**Faculty of Extension  
2-60 University Extension Centre  
University of Alberta  
Edmonton, Alberta T6G 2T4**

## ENTER TO WIN APPLE IPOD 20GB (approx. retail value: \$389.00)

### iPOD Contest

Contest Deadline: Friday, April 29, 2005 - 4:00 p.m.

Mail to: IPOD Contest  
Faculty of Extension, University Extension Centre  
University of Alberta, Edmonton, AB T6G 2T4

Or deliver to our Registration Office on the second floor of the University Extension Centre, 8303-112 Street in Edmonton.


NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
CITY \_\_\_\_\_ POSTAL CODE \_\_\_\_\_  
PHONE (DAYTIME) \_\_\_\_\_

Do you wish to receive information about the Faculty of Extension by mail?

- ☐ Yes, please add or keep my name and address on Extension's mailing list.  
☐ No, please DO NOT add my name to your mailing list.

No purchase necessary. Employees of the University of Alberta and their immediate families are not eligible to enter. Mechanical reproductions of entry form not accepted. Winner will be drawn at random from all entries received and contacted by phone. Name of winner will be announced on our website. Complete contest rules available on our website at [www.extension.ualberta.ca/contest\\_rules](http://www.extension.ualberta.ca/contest_rules), or a copy of the rules can be obtained in person at the Faculty of Extension Registration Office.

[www.extension.ualberta.ca/register](http://www.extension.ualberta.ca/register)

 <b>UNIVERSITY OF ALBERTA</b> Faculty of Extension		<input type="checkbox"/> MALE <input type="checkbox"/> FEMALE	<b>REGISTRATION SPRING 2005</b>		<table><tr><td colspan="4">FOR OFFICE USE ONLY</td><td colspan="4">PROGRAM</td><td colspan="2">GENERAL INTEREST</td></tr><tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/> Y <input type="checkbox"/> N</td></tr></table>		FOR OFFICE USE ONLY				PROGRAM				GENERAL INTEREST		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Y <input type="checkbox"/> N
FOR OFFICE USE ONLY				PROGRAM				GENERAL INTEREST																			
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COURSE#	COURSE NAME			FEE	GST	TOTAL	CHECK METHOD OF PAYMENT			FOR OFFICE USE ONLY AUTHORIZATION #:																	
							<input type="checkbox"/> CASH <input type="checkbox"/> CHEQUE <input type="checkbox"/> DEBIT <input type="checkbox"/> INVOICE <input type="checkbox"/> INDENT <input type="checkbox"/> MONEY ORDER <input type="checkbox"/> CREDIT CARD <input type="checkbox"/> HRDF			ASSESS BY:																	
							PO																				
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							* If employer is to be invoiced, please include a letter of authorization or an authorized purchase order. Registered students are ultimately responsible for payment of fees regardless of a third party being invoiced for such fees.																				
							EXPIRY DATE:																				
							NAME ON CARD:																				
							<input type="checkbox"/> Government of Alberta <input type="checkbox"/> Business <input type="checkbox"/> Personal																				
							The personal information requested on this form is collected under the authority of section 33 (c) of the <i>Alberta Freedom of Information and Protection of Privacy Act</i> for the purpose of registering students, contacting former students and tracking enrolment statistics. Questions concerning the collection, use or disposal of this information should be directed to: FOIP Officer, Faculty of Extension, University Extension Centre, University of Alberta, Edmonton, AB T6G 2T4. Phone (780) 492-3116.																				

\* Many of our courses are exempt from the Federal Goods and Services Tax. Please include GST only if it is indicated in the fee for that course.

Are you a U of A Alumnus?  
☐ Yes  
☐ No

Registration Method  
☐ Tel ☐ Fax  
☐ Mail ☐ Person

SIGNATURE: \_\_\_\_\_  
DATE: \_\_\_\_\_

☐ Brochure ☐ Faculty Course Guide ☐ Website ☐ Email  
☐ Newspaper ☐ In Class ☐ Word of Mouth ☐ Other

If you are paying by cheque or money order, we would appreciate separate payment for each course. Make cheques payable to University of Alberta.



UNIVERSITY OF  
ALBERTA  
Faculty of Extension

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University Extension Centre  
University of Alberta  
Edmonton, Alberta T6G 2T4

